

APPENDIX E

Laboratory Data Reports



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive, 4th Floor

Parsipanny NJ, 07054-2172

Attention: Brandon Reiner

Report Date: 04/23/2021

Client Project ID: 100688801

York Project (SDG) No.: 21D0604

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

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Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Brandon Reiner

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 13, 2021 and listed below. The project was identified as your project: **100688801**.

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>
21D0604-01	063_LSB-22A	Soil	04/13/2021	04/13/2021
21D0604-02	064_LSB-22B	Soil	04/13/2021	04/13/2021
21D0604-03	065_LSB-22C	Soil	04/13/2021	04/13/2021
21D0604-04	066_LSB-21A	Soil	04/13/2021	04/13/2021
21D0604-05	067_LSB-21B	Soil	04/13/2021	04/13/2021
21D0604-06	068_LSB-21C	Soil	04/13/2021	04/13/2021
21D0604-07	069_LSB-23A	Soil	04/13/2021	04/13/2021
21D0604-08	070_LSB-23B	Soil	04/13/2021	04/13/2021
21D0604-09	071_LSB-23C	Soil	04/13/2021	04/13/2021
21D0604-10	072_LSB-26A	Soil	04/13/2021	04/13/2021
21D0604-11	073_LSB-26B	Soil	04/13/2021	04/13/2021
21D0604-12	074_LSB-25A	Soil	04/13/2021	04/13/2021
21D0604-13	075_LSB-25B	Soil	04/13/2021	04/13/2021
21D0604-14	076_LSB-25C	Soil	04/13/2021	04/13/2021
21D0604-15	077_FB-3	Water	04/13/2021	04/13/2021
21D0604-16	078_TB-7	Water	04/13/2021	04/13/2021

General Notes for York Project (SDG) No.: 21D0604

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: 04/23/2021





Sample Information

Client Sample ID: 063_LSB-22A

York Sample ID: 21D0604-01

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:40 am	<u>Date Received</u> 04/13/2021
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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	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 12:56	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 12:56	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA



Sample Information

Client Sample ID: 063_LSB-22A

York Sample ID: 21D0604-01

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:40 am	<u>Date Received</u> 04/13/2021
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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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.039	0.077	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 12:56	KHA
78-93-3	2-Butanone	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
591-78-6	2-Hexanone	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
67-64-1	Acetone	0.0058	CCV-E, J	mg/kg dry	0.0039	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0039	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
108-86-1	Bromobenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
67-66-3	Chloroform	0.0023	J	mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA



Sample Information

Client Sample ID: 063_LSB-22A

York Sample ID: 21D0604-01

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:40 am	<u>Date Received</u> 04/13/2021
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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
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
75-09-2	Methylene chloride	0.0048	J	mg/kg dry	0.0039	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0039	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA



Sample Information

Client Sample ID: 063_LSB-22A

York Sample ID: 21D0604-01

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:40 am	<u>Date Received</u> 04/13/2021
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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
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:56	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0058	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 12:56	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	107 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %			76-130						

Semivolatiles, 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	04/16/2021 07:30	04/19/2021 15:16	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	04/16/2021 07:30	04/19/2021 15:16	CD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 15:16	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	04/16/2021 07:30	04/19/2021 15:16	CD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 15:16	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	04/16/2021 07:30	04/19/2021 15:16	CD



Sample Information

Client Sample ID: 063_LSB-22A

York Sample ID: 21D0604-01

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:40 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	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	04/16/2021 07:30	04/19/2021 15:16	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	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	04/16/2021 07:30	04/19/2021 15:16	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	04/16/2021 07:30	04/19/2021 15:16	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	04/16/2021 07:30	04/19/2021 15:16	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	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	04/16/2021 07:30	04/19/2021 15:16	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD



Sample Information

Client Sample ID: 063_LSB-22A

York Sample ID: 21D0604-01

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:40 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
83-32-9	Acenaphthene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
208-96-8	Acenaphthylene	0.0468	J	mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
62-53-3	Aniline	ND		mg/kg dry	0.178	0.355	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
120-12-7	Anthracene	0.0461	J	mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
92-87-5	Benzidine	ND		mg/kg dry	0.178	0.355	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
56-55-3	Benzo(a)anthracene	0.221		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
50-32-8	Benzo(a)pyrene	0.285		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
205-99-2	Benzo(b)fluoranthene	0.283		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
191-24-2	Benzo(g,h,i)perylene	0.193		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
207-08-9	Benzo(k)fluoranthene	0.228		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	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	04/16/2021 07:30	04/19/2021 15:16	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	04/16/2021 07:30	04/19/2021 15:16	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	04/16/2021 07:30	04/19/2021 15:16	CD
117-81-7	Bis(2-ethylhexyl)phthalate	2.65		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD



Sample Information

Client Sample ID: 063_LSB-22A

York Sample ID: 21D0604-01

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:40 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
86-74-8	Carbazole	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
218-01-9	Chrysen	0.238		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
53-70-3	Dibenzo(a,h)anthracene	0.0511	J	mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	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	04/16/2021 07:30	04/19/2021 15:16	CD
117-84-0	Di-n-octyl phthalate	0.126		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
206-44-0	Fluoranthene	0.348	CCV-E	mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
86-73-7	Fluorene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
193-39-5	Indeno(1,2,3-cd)pyrene	0.174		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
91-20-3	Naphthalene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	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	04/16/2021 07:30	04/19/2021 15:16	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD



Sample Information

Client Sample ID: 063_LSB-22A

York Sample ID: 21D0604-01

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:40 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
85-01-8	Phenanthrene	0.140		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
108-95-2	Phenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
129-00-0	Pyrene	0.328	CCV-E	mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
110-86-1	Pyridine	ND		mg/kg dry	0.178	0.355	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:16	CD
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	31.8 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	35.3 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	43.0 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	44.2 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	88.6 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	56.8 %			24-116						

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	04/16/2021 07:32	04/16/2021 16:09	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	0.512	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 19:56	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.512	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 19:56	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.512	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 19:56	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.512	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 19:56	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	0.577		ug/kg dry	0.512	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 19:56	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	2.14		ug/kg dry	0.512	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 19:56	WL



Sample Information

Client Sample ID: 063_LSB-22A

York Sample ID: 21D0604-01

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:40 am	<u>Date Received</u> 04/13/2021
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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
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.512	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 19:56	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.512	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 19:56	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.512	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 19:56	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.512	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 19:56	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.512	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 19:56	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.512	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 19:56	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.512	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 19:56	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.512	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 19:56	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.512	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 19:56	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.512	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 19:56	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.512	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 19:56	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.512	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 19:56	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.512	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 19:56	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.512	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 19:56	WL
375-22-4	* Perfluoro-n-butyric acid (PFBA)	ND		ug/kg dry	0.512	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 19:56	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	91.9 %	25-150
Surrogate: M5PFHxA	93.5 %	25-150
Surrogate: M4PFHpA	87.9 %	25-150
Surrogate: M3PFHxS	91.6 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid	106 %	25-150
Surrogate: M6PFDA	92.0 %	25-150
Surrogate: M7PFUdA	74.8 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	75.1 %	25-150
Surrogate: M2PFTeDA	63.8 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid	90.3 %	25-150



Sample Information

Client Sample ID: 063_LSB-22A

York Sample ID: 21D0604-01

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:40 am	<u>Date Received</u> 04/13/2021
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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
	Surrogate: Perfluoro-1-[13C8]octanesulfor	81.7 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	91.0 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	57.4 %			10-150					
	Surrogate: d3-N-MeFOSAA	116 %			25-150					
	Surrogate: d5-N-EtFOSAA	129 %			25-150					
	Surrogate: M2-6:2 FTS	190 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	276 %	PFSu-H		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	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:29	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:29	CM
50-29-3	4,4'-DDT	0.00506		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:29	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:29	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:29	CM
5103-71-9	alpha-Chlordane	0.0418		mg/kg dry	0.00173	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/15/2021 13:47	04/19/2021 11:29	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:29	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:29	CM
60-57-1	Dieldrin	0.00944		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:29	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:29	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/15/2021 13:47	04/19/2021 11:29	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:29	CM
72-20-8	Endrin	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:29	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:29	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:29	CM



Sample Information

Client Sample ID: 063_LSB-22A

York Sample ID: 21D0604-01

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:40 am	<u>Date Received</u> 04/13/2021
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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
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:29	CM
5566-34-7	gamma-Chlordane	0.0286		mg/kg dry	0.00173	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/15/2021 13:47	04/19/2021 11:29	CM
76-44-8	Heptachlor	0.00461		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:29	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:29	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:29	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:29	CM
	Surrogate Recoveries	Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	85.6 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	66.4 %					30-150			

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 15:59	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 15:59	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 15:59	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 15:59	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 15:59	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 15:59	BJ
11096-82-5	Aroclor 1260	0.0301		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 15:59	BJ
1336-36-3	* Total PCBs	0.0301		mg/kg dry	0.0175	1	EPA 8082A Certifications:	04/15/2021 13:47	04/16/2021 15:59	BJ
	Surrogate Recoveries	Result					Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	81.5 %					30-120			
2051-24-3	Surrogate: Decachlorobiphenyl	64.5 %					30-120			

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 063_LSB-22A

York Sample ID: 21D0604-01

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:40 am	<u>Date Received</u> 04/13/2021
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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	04/15/2021 07:24	04/15/2021 21:07	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0213	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 07:24	04/15/2021 21:07	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0213	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 07:24	04/15/2021 21:07	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	59.6 %	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
7429-90-5	Aluminum	5900		mg/kg dry	5.36	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:00	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:00	WJM
7440-38-2	Arsenic	5.67		mg/kg dry	1.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:00	WJM
7440-39-3	Barium	85.6		mg/kg dry	2.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:00	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.054	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:00	WJM
7440-43-9	Cadmium	0.419		mg/kg dry	0.321	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:00	WJM
7440-70-2	Calcium	31500		mg/kg dry	5.36	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:00	WJM
7440-47-3	Chromium	19.2		mg/kg dry	0.536	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:00	WJM
7440-48-4	Cobalt	4.95		mg/kg dry	0.429	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:00	WJM
7440-50-8	Copper	27.2		mg/kg dry	2.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:00	WJM
7439-89-6	Iron	10800		mg/kg dry	26.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:00	WJM
7439-92-1	Lead	91.8		mg/kg dry	0.536	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:00	WJM
7439-95-4	Magnesium	6860		mg/kg dry	5.36	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:00	WJM
7439-96-5	Manganese	160		mg/kg dry	0.536	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:00	WJM
7440-02-0	Nickel	20.2		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:00	WJM



Sample Information

Client Sample ID: 063_LSB-22A

York Sample ID: 21D0604-01

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:40 am	<u>Date Received</u> 04/13/2021
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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
7440-09-7	Potassium	1230	B	mg/kg dry	5.36	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:00	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:00	WJM
7440-22-4	Silver	ND		mg/kg dry	0.536	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:00	WJM
7440-23-5	Sodium	134		mg/kg dry	53.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:00	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:00	WJM
7440-62-2	Vanadium	28.6		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:00	WJM
7440-66-6	Zinc	97.9		mg/kg dry	2.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:00	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	0.190		mg/kg dry	0.0321	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/14/2021 13:49	04/14/2021 17:47	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	04/14/2021 08:51	04/14/2021 18:33	ALH

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	04/22/2021 14:10	04/22/2021 22:01	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	93.3		%	0.100	1	SM 2540G Certifications: CTDOH	04/15/2021 14:28	04/16/2021 09:26	OT



Sample Information

Client Sample ID: 063_LSB-22A

York Sample ID: 21D0604-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0604	100688801	Soil	April 13, 2021 9:40 am	04/13/2021



Sample Information

Client Sample ID: 064_LSB-22B

York Sample ID: 21D0604-02

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:45 am	<u>Date Received</u> 04/13/2021
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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	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 13:22	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 13:22	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
95-63-6	1,2,4-Trimethylbenzene	0.0068		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
108-67-8	1,3,5-Trimethylbenzene	0.0036	J	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA



Sample Information

Client Sample ID: 064_LSB-22B

York Sample ID: 21D0604-02

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:45 am	<u>Date Received</u> 04/13/2021
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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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.092	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 13:22	KHA
78-93-3	2-Butanone	0.018		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
591-78-6	2-Hexanone	0.0024	J	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
67-64-1	Acetone	0.050	CCV-E	mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
67-66-3	Chloroform	0.0027	J	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA



Sample Information

Client Sample ID: 064_LSB-22B

York Sample ID: 21D0604-02

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:45 am	<u>Date Received</u> 04/13/2021
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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
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA



Sample Information

Client Sample ID: 064_LSB-22B

York Sample ID: 21D0604-02

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:45 am	<u>Date Received</u> 04/13/2021
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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
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 13:22	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0069	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 13:22	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	111 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	118 %			76-130						

Semivolatiles, 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	0.218	0.434	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.434	0.868	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.434	0.868	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD



Sample Information

Client Sample ID: 064_LSB-22B

York Sample ID: 21D0604-02

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:45 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.434	0.868	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
95-48-7	2-Methylphenol	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.434	0.868	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.434	0.868	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.434	0.868	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.434	0.868	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD



Sample Information

Client Sample ID: 064_LSB-22B

York Sample ID: 21D0604-02

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:45 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.434	0.868	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
83-32-9	Acenaphthene	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
208-96-8	Acenaphthylene	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
62-53-3	Aniline	ND		mg/kg dry	0.870	1.74	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
120-12-7	Anthracene	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
92-87-5	Benzdine	ND		mg/kg dry	0.870	1.74	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
56-55-3	Benzo(a)anthracene	0.358	J	mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
50-32-8	Benzo(a)pyrene	0.413	J	mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
205-99-2	Benzo(b)fluoranthene	0.392	J	mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
191-24-2	Benzo(g,h,i)perylene	0.368	J	mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
207-08-9	Benzo(k)fluoranthene	0.330	J	mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
117-81-7	Bis(2-ethylhexyl)phthalate	2.45		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.434	0.868	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD



Sample Information

Client Sample ID: 064_LSB-22B

York Sample ID: 21D0604-02

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:45 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
86-74-8	Carbazole	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
218-01-9	Chrysen	0.455		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
132-64-9	Dibenzofuran	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
206-44-0	Fluoranthene	0.701	CCV-E	mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
86-73-7	Fluorene	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
193-39-5	Indeno(1,2,3-cd)pyrene	0.292	J	mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
78-59-1	Isophorone	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
91-20-3	Naphthalene	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD



Sample Information

Client Sample ID: 064_LSB-22B

York Sample ID: 21D0604-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0604

100688801

Soil

April 13, 2021 9:45 am

04/13/2021

Semivolatiles, 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
85-01-8	Phenanthrene	0.295	J	mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
108-95-2	Phenol	ND		mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
129-00-0	Pyrene	1.12	CCV-E	mg/kg dry	0.218	0.434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
110-86-1	Pyridine	ND		mg/kg dry	0.870	1.74	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 15:47	CD
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	18.0 %	S-01		20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	21.6 %	S-01		23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	28.8 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	33.2 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	62.8 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	37.2 %			24-116						

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	04/16/2021 07:32	04/16/2021 16:27	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	0.500	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:19	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.500	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:19	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.500	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:19	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.500	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:19	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.500	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:19	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.500	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:19	WL



Sample Information

Client Sample ID: 064_LSB-22B

York Sample ID: 21D0604-02

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:45 am	<u>Date Received</u> 04/13/2021
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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
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.500	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:19	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.500	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:19	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.500	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:19	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.500	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:19	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.500	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:19	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.500	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:19	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.500	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:19	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.500	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:19	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.500	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:19	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.500	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:19	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.500	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:19	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.500	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:19	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.500	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:19	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.500	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:19	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.500	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:19	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	89.8 %	25-150
Surrogate: M5PFHxA	96.5 %	25-150
Surrogate: M4PFHpA	84.6 %	25-150
Surrogate: M3PFHxS	97.2 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid	105 %	25-150
Surrogate: M6PFDA	85.5 %	25-150
Surrogate: M7PFUdA	74.5 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	63.4 %	25-150
Surrogate: M2PFTeDA	51.8 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid	87.3 %	25-150



Sample Information

Client Sample ID: 064_LSB-22B

York Sample ID: 21D0604-02

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:45 am	<u>Date Received</u> 04/13/2021
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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
	Surrogate: Perfluoro-1-[13C8]octanesulfor	79.8 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	89.9 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	48.2 %			10-150					
	Surrogate: d3-N-MeFOSAA	105 %			25-150					
	Surrogate: d5-N-EtFOSAA	113 %			25-150					
	Surrogate: M2-6:2 FTS	258 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	334 %	PFSu-H		25-150					
	Surrogate: M9PFNA	95.6 %			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	0.00928		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:46	CM
72-55-9	4,4'-DDE	0.00920		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:46	CM
50-29-3	4,4'-DDT	0.0447		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:46	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:46	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:46	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/15/2021 13:47	04/19/2021 11:46	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:46	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:46	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:46	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:46	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/15/2021 13:47	04/19/2021 11:46	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:46	CM
72-20-8	Endrin	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:46	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:46	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:46	CM



Sample Information

Client Sample ID: 064_LSB-22B

York Sample ID: 21D0604-02

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:45 am	<u>Date Received</u> 04/13/2021
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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
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:46	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/15/2021 13:47	04/19/2021 11:46	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:46	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:46	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:46	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 11:46	CM
	Surrogate Recoveries	Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	55.9 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	44.9 %					30-150			

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0854	5	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:13	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0854	5	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:13	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0854	5	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:13	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0854	5	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:13	BJ
12672-29-6	Aroclor 1248	1.97		mg/kg dry	0.0854	5	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:13	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0854	5	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:13	BJ
11096-82-5	Aroclor 1260	0.416		mg/kg dry	0.0854	5	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:13	BJ
1336-36-3	* Total PCBs	2.39		mg/kg dry	0.0854	5	EPA 8082A Certifications:	04/15/2021 13:47	04/19/2021 14:13	BJ
	Surrogate Recoveries	Result					Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	75.0 %					30-120			
2051-24-3	Surrogate: Decachlorobiphenyl	57.5 %					30-120			

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 064_LSB-22B

York Sample ID: 21D0604-02

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0604	100688801	Soil	April 13, 2021 9:45 am	04/13/2021

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	0.0207	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 07:24	04/15/2021 21:18	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0207	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 07:24	04/15/2021 21:18	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0207	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 07:24	04/15/2021 21:18	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	44.4 %	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
7429-90-5	Aluminum	3760		mg/kg dry	5.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:10	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:10	WJM
7440-38-2	Arsenic	4.58		mg/kg dry	1.57	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:10	WJM
7440-39-3	Barium	87.0		mg/kg dry	2.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:10	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.052	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:10	WJM
7440-43-9	Cadmium	0.773		mg/kg dry	0.314	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:10	WJM
7440-70-2	Calcium	64200		mg/kg dry	5.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:10	WJM
7440-47-3	Chromium	34.0		mg/kg dry	0.523	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:10	WJM
7440-48-4	Cobalt	5.69		mg/kg dry	0.418	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:10	WJM
7440-50-8	Copper	88.8		mg/kg dry	2.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:10	WJM
7439-89-6	Iron	21200		mg/kg dry	26.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:10	WJM
7439-92-1	Lead	190		mg/kg dry	0.523	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:10	WJM
7439-95-4	Magnesium	15400		mg/kg dry	5.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:10	WJM
7439-96-5	Manganese	188		mg/kg dry	0.523	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:10	WJM
7440-02-0	Nickel	22.5		mg/kg dry	1.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:10	WJM



Sample Information

Client Sample ID: 064_LSB-22B

York Sample ID: 21D0604-02

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:45 am	<u>Date Received</u> 04/13/2021
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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
7440-09-7	Potassium	676	B	mg/kg dry	5.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:10	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:10	WJM
7440-22-4	Silver	ND		mg/kg dry	0.523	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:10	WJM
7440-23-5	Sodium	162		mg/kg dry	52.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:10	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:10	WJM
7440-62-2	Vanadium	27.0		mg/kg dry	1.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:10	WJM
7440-66-6	Zinc	139		mg/kg dry	2.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:10	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	0.0786		mg/kg dry	0.0314	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/14/2021 13:49	04/14/2021 17:56	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	0.523	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	04/14/2021 08:51	04/14/2021 18:33	ALH

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	0.523	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/22/2021 14:10	04/22/2021 22:01	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	95.7		%	0.100	1	SM 2540G Certifications: CTDOH	04/15/2021 14:31	04/16/2021 09:38	OT



Sample Information

Client Sample ID: 064_LSB-22B

York Sample ID: 21D0604-02

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0604	100688801	Soil	April 13, 2021 9:45 am	04/13/2021



Sample Information

Client Sample ID: 065_LSB-22C

York Sample ID: 21D0604-03

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:50 am	<u>Date Received</u> 04/13/2021
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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	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 14:40	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 14:40	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA



Sample Information

Client Sample ID: 065_LSB-22C

York Sample ID: 21D0604-03

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:50 am	<u>Date Received</u> 04/13/2021
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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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 14:40	KHA
78-93-3	2-Butanone	0.0068		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
67-64-1	Acetone	0.031	CCV-E	mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
108-86-1	Bromobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
67-66-3	Chloroform	0.0031	J	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA



Sample Information

Client Sample ID: 065_LSB-22C

York Sample ID: 21D0604-03

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:50 am	<u>Date Received</u> 04/13/2021
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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
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA



Sample Information

Client Sample ID: 065_LSB-22C

York Sample ID: 21D0604-03

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:50 am	<u>Date Received</u> 04/13/2021
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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
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 14:40	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0078	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 14:40	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.7 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	109 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	109 %			76-130						

Semivolatiles, 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	0.0551	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD



Sample Information

Client Sample ID: 065_LSB-22C

York Sample ID: 21D0604-03

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:50 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
65794-96-9	3- & 4-Methylphenols	0.156		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD



Sample Information

Client Sample ID: 065_LSB-22C

York Sample ID: 21D0604-03

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:50 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
83-32-9	Acenaphthene	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
62-53-3	Aniline	ND		mg/kg dry	0.220	0.440	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
120-12-7	Anthracene	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
92-87-5	Benzdine	ND		mg/kg dry	0.220	0.440	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
56-55-3	Benzo(a)anthracene	0.0721	J	mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
50-32-8	Benzo(a)pyrene	0.0703	J	mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
205-99-2	Benzo(b)fluoranthene	0.0651	J	mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
207-08-9	Benzo(k)fluoranthene	0.0615	J	mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
117-81-7	Bis(2-ethylhexyl)phthalate	0.188		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD



Sample Information

Client Sample ID: 065_LSB-22C

York Sample ID: 21D0604-03

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:50 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
86-74-8	Carbazole	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
218-01-9	Chrysen	0.0809	J	mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
206-44-0	Fluoranthene	0.148	CCV-E	mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
86-73-7	Fluorene	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
91-20-3	Naphthalene	0.255		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD



Sample Information

Client Sample ID: 065_LSB-22C

York Sample ID: 21D0604-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0604

100688801

Soil

April 13, 2021 9:50 am

04/13/2021

Semivolatiles, 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
85-01-8	Phenanthrene	0.150		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
108-95-2	Phenol	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
129-00-0	Pyrene	0.137	CCV-E	mg/kg dry	0.0551	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
110-86-1	Pyridine	ND		mg/kg dry	0.220	0.440	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:20	CD
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	63.4 %		20-108							
4165-62-2	Surrogate: SURR: Phenol-d5	53.2 %		23-114							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	67.8 %		22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	67.4 %		21-113							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	131 %	S-08	19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	67.8 %		24-116							

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	04/16/2021 07:32	04/16/2021 16:44	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	0.627	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:41	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.627	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:41	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.627	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:41	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.627	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:41	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.627	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:41	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.627	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:41	WL



Sample Information

Client Sample ID: 065_LSB-22C

York Sample ID: 21D0604-03

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:50 am	<u>Date Received</u> 04/13/2021
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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
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.627	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:41	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.627	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:41	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.627	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:41	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.627	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:41	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.627	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:41	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.627	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:41	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.627	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:41	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.627	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:41	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.627	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:41	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.627	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:41	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.627	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:41	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.627	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:41	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.627	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:41	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.627	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:41	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	0.786		ug/kg dry	0.627	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 20:41	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	106 %	25-150
Surrogate: M5PFHxA	107 %	25-150
Surrogate: M4PFHpA	61.4 %	25-150
Surrogate: M3PFHxS	88.1 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid	103 %	25-150
Surrogate: M6PFDA	72.3 %	25-150
Surrogate: M7PFUdA	62.4 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	55.1 %	25-150
Surrogate: M2PFTeDA	49.5 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid	102 %	25-150



Sample Information

Client Sample ID: 065_LSB-22C

York Sample ID: 21D0604-03

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 21D0604, 100688801, Soil, April 13, 2021 9:50 am, 04/13/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Lists PFAS compounds like Perfluoro-1-[13C8]octanesulfor and d3-N-MeFOSAA.

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Lists pesticides like 4,4'-DDD, Aldrin, and Dieldrin.



Sample Information

Client Sample ID: 065_LSB-22C

York Sample ID: 21D0604-03

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:50 am	<u>Date Received</u> 04/13/2021
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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
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00217	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:03	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00217	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/15/2021 13:47	04/19/2021 12:03	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00217	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:03	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00217	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:03	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00217	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:03	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.217	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:03	CM
	Surrogate Recoveries	Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	64.8 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	46.0 %					30-150			

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0219	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:26	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0219	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:26	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0219	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:26	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0219	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:26	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0219	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:26	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0219	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:26	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0219	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:26	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0219	1	EPA 8082A Certifications:	04/15/2021 13:47	04/19/2021 14:26	BJ
	Surrogate Recoveries	Result					Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	75.5 %					30-120			
2051-24-3	Surrogate: Decachlorobiphenyl	69.0 %					30-120			

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 065_LSB-22C

York Sample ID: 21D0604-03

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:50 am	<u>Date Received</u> 04/13/2021
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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	0.0264	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 07:24	04/15/2021 21:29	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0264	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 07:24	04/15/2021 21:29	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0264	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 07:24	04/15/2021 21:29	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	88.6 %	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
7429-90-5	Aluminum	5630		mg/kg dry	6.62	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:13	WJM
7440-36-0	Antimony	ND		mg/kg dry	3.31	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:13	WJM
7440-38-2	Arsenic	10.8		mg/kg dry	1.98	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:13	WJM
7440-39-3	Barium	1280		mg/kg dry	3.31	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:13	WJM
7440-41-7	Beryllium	0.264		mg/kg dry	0.066	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:13	WJM
7440-43-9	Cadmium	0.989		mg/kg dry	0.397	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:13	WJM
7440-70-2	Calcium	3050		mg/kg dry	6.62	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:13	WJM
7440-47-3	Chromium	30.7		mg/kg dry	0.662	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:13	WJM
7440-48-4	Cobalt	6.73		mg/kg dry	0.529	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:13	WJM
7440-50-8	Copper	56.0		mg/kg dry	2.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:13	WJM
7439-89-6	Iron	7590		mg/kg dry	33.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:13	WJM
7439-92-1	Lead	580		mg/kg dry	0.662	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:13	WJM
7439-95-4	Magnesium	1510		mg/kg dry	6.62	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:13	WJM
7439-96-5	Manganese	93.4		mg/kg dry	0.662	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:13	WJM
7440-02-0	Nickel	20.3		mg/kg dry	1.32	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:13	WJM



Sample Information

Client Sample ID: 065_LSB-22C

York Sample ID: 21D0604-03

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 9:50 am	<u>Date Received</u> 04/13/2021
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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
7440-09-7	Potassium	622	B	mg/kg dry	6.62	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:13	WJM
7782-49-2	Selenium	ND		mg/kg dry	3.31	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:13	WJM
7440-22-4	Silver	ND		mg/kg dry	0.662	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:13	WJM
7440-23-5	Sodium	453		mg/kg dry	66.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:13	WJM
7440-28-0	Thallium	ND		mg/kg dry	3.31	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:13	WJM
7440-62-2	Vanadium	24.9		mg/kg dry	1.32	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:13	WJM
7440-66-6	Zinc	719		mg/kg dry	3.31	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:13	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	1.22		mg/kg dry	0.0397	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/14/2021 13:49	04/14/2021 18:05	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	0.662	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	04/14/2021 08:51	04/14/2021 18:33	ALH

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	0.662	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/22/2021 14:10	04/22/2021 22:01	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	75.6		%	0.100	1	SM 2540G Certifications: CTDOH	04/15/2021 14:31	04/16/2021 09:38	OT



Sample Information

Client Sample ID: 065_LSB-22C

York Sample ID: 21D0604-03

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0604	100688801	Soil	April 13, 2021 9:50 am	04/13/2021



Sample Information

Client Sample ID: 066_LSB-21A

York Sample ID: 21D0604-04

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:30 am	<u>Date Received</u> 04/13/2021
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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	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 15:06	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 15:06	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA



Sample Information

Client Sample ID: 066_LSB-21A

York Sample ID: 21D0604-04

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:30 am	<u>Date Received</u> 04/13/2021
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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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.042	0.083	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 15:06	KHA
78-93-3	2-Butanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
67-64-1	Acetone	ND		mg/kg dry	0.0042	0.0083	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0042	0.0083	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
108-86-1	Bromobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
67-66-3	Chloroform	0.0025	J	mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA



Sample Information

Client Sample ID: 066_LSB-21A

York Sample ID: 21D0604-04

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:30 am	<u>Date Received</u> 04/13/2021
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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
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
75-09-2	Methylene chloride	0.0051	J	mg/kg dry	0.0042	0.0083	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0042	0.0083	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA



Sample Information

Client Sample ID: 066_LSB-21A

York Sample ID: 21D0604-04

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:30 am	<u>Date Received</u> 04/13/2021
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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
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:06	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 15:06	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	107 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %			76-130						

Semivolatiles, 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	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	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	04/16/2021 07:30	04/19/2021 16:52	CD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 16:52	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	04/16/2021 07:30	04/19/2021 16:52	CD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 16:52	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	04/16/2021 07:30	04/19/2021 16:52	CD



Sample Information

Client Sample ID: 066_LSB-21A

York Sample ID: 21D0604-04

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:30 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	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	04/16/2021 07:30	04/19/2021 16:52	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	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	04/16/2021 07:30	04/19/2021 16:52	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	04/16/2021 07:30	04/19/2021 16:52	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	04/16/2021 07:30	04/19/2021 16:52	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	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	04/16/2021 07:30	04/19/2021 16:52	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD



Sample Information

Client Sample ID: 066_LSB-21A

York Sample ID: 21D0604-04

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:30 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
83-32-9	Acenaphthene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
208-96-8	Acenaphthylene	0.258		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
62-53-3	Aniline	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
120-12-7	Anthracene	0.390		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
100-52-7	Benzaldehyde	0.0649	J	mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
92-87-5	Benzidine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
56-55-3	Benzo(a)anthracene	0.885		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
50-32-8	Benzo(a)pyrene	1.09		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
205-99-2	Benzo(b)fluoranthene	1.15		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
191-24-2	Benzo(g,h,i)perylene	0.660		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
207-08-9	Benzo(k)fluoranthene	0.908		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
85-68-7	Benzyl butyl phthalate	0.0605	J	mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	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	04/16/2021 07:30	04/19/2021 16:52	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	04/16/2021 07:30	04/19/2021 16:52	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	04/16/2021 07:30	04/19/2021 16:52	CD
117-81-7	Bis(2-ethylhexyl)phthalate	0.0952		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD



Sample Information

Client Sample ID: 066_LSB-21A

York Sample ID: 21D0604-04

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:30 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
86-74-8	Carbazole	0.161		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
218-01-9	Chrysene	0.914		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
53-70-3	Dibenzo(a,h)anthracene	0.217		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	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	04/16/2021 07:30	04/19/2021 16:52	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	04/16/2021 07:30	04/19/2021 16:52	CD
206-44-0	Fluoranthene	1.35	CCV-E	mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
86-73-7	Fluorene	0.0642	J	mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
193-39-5	Indeno(1,2,3-cd)pyrene	0.759		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
91-20-3	Naphthalene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	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	04/16/2021 07:30	04/19/2021 16:52	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD



Sample Information

Client Sample ID: 066_LSB-21A

York Sample ID: 21D0604-04

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:30 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
85-01-8	Phenanthrene	0.518		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
108-95-2	Phenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
129-00-0	Pyrene	1.38	CCV-E	mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
110-86-1	Pyridine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 16:52	CD
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	42.3 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	40.1 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	50.5 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	50.6 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	86.4 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	54.0 %			24-116						

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	04/16/2021 07:32	04/16/2021 17:02	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	0.510	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:03	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.510	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:03	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.510	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:03	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.510	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:03	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	0.570		ug/kg dry	0.510	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:03	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	1.34		ug/kg dry	0.510	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:03	WL



Sample Information

Client Sample ID: 066_LSB-21A

York Sample ID: 21D0604-04

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:30 am	<u>Date Received</u> 04/13/2021
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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
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.510	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:03	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.510	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:03	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.510	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:03	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.510	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:03	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.510	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:03	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.510	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:03	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.510	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:03	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.510	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:03	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.510	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:03	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.510	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:03	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.510	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:03	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.510	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:03	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.510	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:03	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.510	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:03	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.510	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:03	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	92.1 %	25-150
Surrogate: M5PFHxA	96.4 %	25-150
Surrogate: M4PFHpA	89.6 %	25-150
Surrogate: M3PFHxS	95.2 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid	105 %	25-150
Surrogate: M6PFDA	101 %	25-150
Surrogate: M7PFUdA	75.1 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	70.4 %	25-150
Surrogate: M2PFTeDA	66.1 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid	90.3 %	25-150



Sample Information

Client Sample ID: 066_LSB-21A

York Sample ID: 21D0604-04

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:30 am	<u>Date Received</u> 04/13/2021
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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
	Surrogate: Perfluoro-1-[13C8]octanesulfor	89.5 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	91.4 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	62.3 %			10-150					
	Surrogate: d3-N-MeFOSAA	105 %			25-150					
	Surrogate: d5-N-EtFOSAA	129 %			25-150					
	Surrogate: M2-6:2 FTS	138 %			25-150					
	Surrogate: M2-8:2 FTS	187 %	PFSu-H		25-150					
	Surrogate: M9PFNA	105 %			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	04/15/2021 13:47	04/19/2021 12:20	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:20	CM
50-29-3	4,4'-DDT	0.00660		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:20	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:20	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:20	CM
5103-71-9	alpha-Chlordane	0.0250		mg/kg dry	0.00184	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/15/2021 13:47	04/19/2021 12:20	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:20	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:20	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:20	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:20	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/15/2021 13:47	04/19/2021 12:20	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:20	CM
72-20-8	Endrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:20	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:20	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:20	CM



Sample Information

Client Sample ID: 066_LSB-21A

York Sample ID: 21D0604-04

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:30 am	<u>Date Received</u> 04/13/2021
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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
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:20	CM
5566-34-7	gamma-Chlordane	0.0198		mg/kg dry	0.00184	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/15/2021 13:47	04/19/2021 12:20	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:20	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:20	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:20	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:20	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	91.7 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	55.9 %	30-150							

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 16:40	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 16:40	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 16:40	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 16:40	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 16:40	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 16:40	BJ
11096-82-5	Aroclor 1260	0.0731		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 16:40	BJ
1336-36-3	* Total PCBs	0.0731		mg/kg dry	0.0186	1	EPA 8082A Certifications:	04/15/2021 13:47	04/16/2021 16:40	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	76.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	71.5 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 066_LSB-21A

York Sample ID: 21D0604-04

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:30 am	<u>Date Received</u> 04/13/2021
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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	04/15/2021 07:24	04/15/2021 21:39	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0223	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 07:24	04/15/2021 21:39	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0223	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 07:24	04/15/2021 21:39	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	68.0 %	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
7429-90-5	Aluminum	6490		mg/kg dry	5.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:15	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:15	WJM
7440-38-2	Arsenic	5.68		mg/kg dry	1.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:15	WJM
7440-39-3	Barium	231		mg/kg dry	2.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:15	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:15	WJM
7440-43-9	Cadmium	1.79		mg/kg dry	0.336	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:15	WJM
7440-70-2	Calcium	29100		mg/kg dry	5.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:15	WJM
7440-47-3	Chromium	21.3		mg/kg dry	0.561	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:15	WJM
7440-48-4	Cobalt	6.22		mg/kg dry	0.449	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:15	WJM
7440-50-8	Copper	133		mg/kg dry	2.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:15	WJM
7439-89-6	Iron	22800		mg/kg dry	28.0	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:15	WJM
7439-92-1	Lead	340		mg/kg dry	0.561	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:15	WJM
7439-95-4	Magnesium	13900		mg/kg dry	5.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:15	WJM
7439-96-5	Manganese	236		mg/kg dry	0.561	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:15	WJM
7440-02-0	Nickel	26.6		mg/kg dry	1.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:15	WJM



Sample Information

Client Sample ID: 066_LSB-21A

York Sample ID: 21D0604-04

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:30 am	<u>Date Received</u> 04/13/2021
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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
7440-09-7	Potassium	695	B	mg/kg dry	5.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:15	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:15	WJM
7440-22-4	Silver	ND		mg/kg dry	0.561	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:15	WJM
7440-23-5	Sodium	209		mg/kg dry	56.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:15	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:15	WJM
7440-62-2	Vanadium	30.8		mg/kg dry	1.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:15	WJM
7440-66-6	Zinc	634		mg/kg dry	2.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:15	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	0.468		mg/kg dry	0.0336	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/14/2021 13:49	04/14/2021 18:13	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	0.561	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	04/15/2021 07:58	04/15/2021 13:08	OT

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	0.561	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/22/2021 14:10	04/22/2021 22:01	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	89.2		%	0.100	1	SM 2540G Certifications: CTDOH	04/15/2021 14:31	04/16/2021 09:38	OT



Sample Information

Client Sample ID: 066_LSB-21A

York Sample ID: 21D0604-04

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0604	100688801	Soil	April 13, 2021 10:30 am	04/13/2021



Sample Information

Client Sample ID: 067_LSB-21B

York Sample ID: 21D0604-05

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:40 am	<u>Date Received</u> 04/13/2021
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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	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 15:32	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 15:32	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA



Sample Information

Client Sample ID: 067_LSB-21B

York Sample ID: 21D0604-05

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:40 am	<u>Date Received</u> 04/13/2021
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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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.062	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 15:32	KHA
78-93-3	2-Butanone	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
591-78-6	2-Hexanone	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
67-64-1	Acetone	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
108-86-1	Bromobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
67-66-3	Chloroform	0.0038	J	mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA



Sample Information

Client Sample ID: 067_LSB-21B

York Sample ID: 21D0604-05

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:40 am	<u>Date Received</u> 04/13/2021
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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
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA



Sample Information

Client Sample ID: 067_LSB-21B

York Sample ID: 21D0604-05

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:40 am	<u>Date Received</u> 04/13/2021
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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
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:32	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0093	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 15:32	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	100 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	109 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	100 %			76-130						

Semivolatiles, 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	0.0518	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD



Sample Information

Client Sample ID: 067_LSB-21B

York Sample ID: 21D0604-05

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:40 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD



Sample Information

Client Sample ID: 067_LSB-21B

York Sample ID: 21D0604-05

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:40 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
83-32-9	Acenaphthene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
62-53-3	Aniline	ND		mg/kg dry	0.207	0.414	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
120-12-7	Anthracene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
92-87-5	Benzdine	ND		mg/kg dry	0.207	0.414	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
56-55-3	Benzo(a)anthracene	0.0587	J	mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
50-32-8	Benzo(a)pyrene	0.0678	J	mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
205-99-2	Benzo(b)fluoranthene	0.0554	J	mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
207-08-9	Benzo(k)fluoranthene	0.0521	J	mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD



Sample Information

Client Sample ID: 067_LSB-21B

York Sample ID: 21D0604-05

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:40 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
86-74-8	Carbazole	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
218-01-9	Chrysen	0.0653	J	mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
206-44-0	Fluoranthene	0.0984	CCV-E, J	mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
86-73-7	Fluorene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
91-20-3	Naphthalene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD



Sample Information

Client Sample ID: 067_LSB-21B

York Sample ID: 21D0604-05

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:40 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
85-01-8	Phenanthrene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
108-95-2	Phenol	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
129-00-0	Pyrene	0.0884	CCV-E, J	mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
110-86-1	Pyridine	ND		mg/kg dry	0.207	0.414	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:25	CD
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	52.2 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	46.8 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	65.7 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	52.6 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	141 %	S-08		19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	55.4 %			24-116						

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	04/16/2021 07:32	04/16/2021 17:20	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	0.591	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:26	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.591	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:26	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.591	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:26	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.591	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:26	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	0.683		ug/kg dry	0.591	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:26	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.591	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:26	WL



Sample Information

Client Sample ID: 067_LSB-21B

York Sample ID: 21D0604-05

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:40 am	<u>Date Received</u> 04/13/2021
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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
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.591	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:26	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.591	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:26	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.591	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:26	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.591	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:26	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.591	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:26	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.591	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:26	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.591	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:26	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.591	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:26	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.591	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:26	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.591	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:26	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.591	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:26	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.591	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:26	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.591	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:26	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.591	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:26	WL
375-22-4	* Perfluoro-n-butyric acid (PFBA)	ND		ug/kg dry	0.591	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:26	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	89.5 %	25-150
Surrogate: M5PFHxA	95.9 %	25-150
Surrogate: M4PFHpA	75.0 %	25-150
Surrogate: M3PFHxS	92.4 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid	104 %	25-150
Surrogate: M6PFDA	85.5 %	25-150
Surrogate: M7PFUdA	63.7 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	71.0 %	25-150
Surrogate: M2PFTeDA	67.5 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid	89.3 %	25-150



Sample Information

Client Sample ID: 067_LSB-21B

York Sample ID: 21D0604-05

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:40 am	<u>Date Received</u> 04/13/2021
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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
	Surrogate: Perfluoro-1-[13C8]octanesulfor	85.1 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	92.0 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	57.8 %			10-150					
	Surrogate: d3-N-MeFOSAA	87.9 %			25-150					
	Surrogate: d5-N-EtFOSAA	104 %			25-150					
	Surrogate: M2-6:2 FTS	213 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	146 %			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	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:37	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:37	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:37	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:37	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:37	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/15/2021 13:47	04/19/2021 12:37	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:37	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:37	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:37	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:37	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/15/2021 13:47	04/19/2021 12:37	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:37	CM
72-20-8	Endrin	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:37	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:37	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:37	CM



Sample Information

Client Sample ID: 067_LSB-21B

York Sample ID: 21D0604-05

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:40 am	<u>Date Received</u> 04/13/2021
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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
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:37	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/15/2021 13:47	04/19/2021 12:37	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:37	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:37	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:37	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:37	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	81.9 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	66.6 %	30-150							

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 16:54	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 16:54	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 16:54	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 16:54	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 16:54	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 16:54	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 16:54	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications:	04/15/2021 13:47	04/16/2021 16:54	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	87.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	60.0 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 067_LSB-21B

York Sample ID: 21D0604-05

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:40 am	<u>Date Received</u> 04/13/2021
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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	0.0246	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 07:24	04/15/2021 21:50	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0246	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 07:24	04/15/2021 21:50	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0246	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 07:24	04/15/2021 21:50	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	73.0 %	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
7429-90-5	Aluminum	6270		mg/kg dry	6.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:18	WJM
7440-36-0	Antimony	18.5		mg/kg dry	3.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:18	WJM
7440-38-2	Arsenic	7.69		mg/kg dry	1.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:18	WJM
7440-39-3	Barium	801		mg/kg dry	3.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:18	WJM
7440-41-7	Beryllium	0.116		mg/kg dry	0.062	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:18	WJM
7440-43-9	Cadmium	ND		mg/kg dry	0.374	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:18	WJM
7440-70-2	Calcium	2320		mg/kg dry	6.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:18	WJM
7440-47-3	Chromium	23.7		mg/kg dry	0.624	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:18	WJM
7440-48-4	Cobalt	6.06		mg/kg dry	0.499	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:18	WJM
7440-50-8	Copper	111		mg/kg dry	2.50	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:18	WJM
7439-89-6	Iron	9120		mg/kg dry	31.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:18	WJM
7439-92-1	Lead	4030		mg/kg dry	0.624	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:18	WJM
7439-95-4	Magnesium	457		mg/kg dry	6.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:18	WJM
7439-96-5	Manganese	69.7		mg/kg dry	0.624	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:18	WJM
7440-02-0	Nickel	15.8		mg/kg dry	1.25	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:18	WJM



Sample Information

Client Sample ID: 067_LSB-21B

York Sample ID: 21D0604-05

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:40 am	<u>Date Received</u> 04/13/2021
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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
7440-09-7	Potassium	503	B	mg/kg dry	6.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:18	WJM
7782-49-2	Selenium	ND		mg/kg dry	3.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:18	WJM
7440-22-4	Silver	ND		mg/kg dry	0.624	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:18	WJM
7440-23-5	Sodium	241		mg/kg dry	62.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:18	WJM
7440-28-0	Thallium	ND		mg/kg dry	3.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:18	WJM
7440-62-2	Vanadium	26.2		mg/kg dry	1.25	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:18	WJM
7440-66-6	Zinc	103		mg/kg dry	3.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:18	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	0.304		mg/kg dry	0.0374	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/14/2021 13:49	04/14/2021 18:44	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	0.624	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	04/15/2021 07:58	04/15/2021 13:08	OT

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	0.624	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/22/2021 14:10	04/22/2021 22:01	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	80.1		%	0.100	1	SM 2540G Certifications: CTDOH	04/15/2021 14:31	04/16/2021 09:38	OT



Sample Information

Client Sample ID: 067_LSB-21B

York Sample ID: 21D0604-05

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0604	100688801	Soil	April 13, 2021 10:40 am	04/13/2021



Sample Information

Client Sample ID: 068_LSB-21C

York Sample ID: 21D0604-06

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:45 am	<u>Date Received</u> 04/13/2021
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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	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:58	KHA
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	04/14/2021 06:47	04/14/2021 15:58	KHA
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	04/14/2021 06:47	04/14/2021 15:58	KHA
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	04/14/2021 06:47	04/14/2021 15:58	KHA
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	04/14/2021 06:47	04/14/2021 15:58	KHA
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	04/14/2021 06:47	04/14/2021 15:58	KHA
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	04/14/2021 06:47	04/14/2021 15:58	KHA
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:58	KHA
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	04/14/2021 06:47	04/14/2021 15:58	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 15:58	KHA
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	04/14/2021 06:47	04/14/2021 15:58	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:58	KHA
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	04/14/2021 06:47	04/14/2021 15:58	KHA
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	04/14/2021 06:47	04/14/2021 15:58	KHA
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	04/14/2021 06:47	04/14/2021 15:58	KHA
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	04/14/2021 06:47	04/14/2021 15:58	KHA
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	04/14/2021 06:47	04/14/2021 15:58	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:58	KHA
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	04/14/2021 06:47	04/14/2021 15:58	KHA
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:58	KHA
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	04/14/2021 06:47	04/14/2021 15:58	KHA



Sample Information

Client Sample ID: 068_LSB-21C

York Sample ID: 21D0604-06

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:45 am	<u>Date Received</u> 04/13/2021
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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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.095	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:58	KHA
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 15:58	KHA
78-93-3	2-Butanone	0.0030	CCV-E, J	mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:58	KHA
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:58	KHA
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:58	KHA
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:58	KHA
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	04/14/2021 06:47	04/14/2021 15:58	KHA
67-64-1	Acetone	0.029	CCV-E	mg/kg dry	0.0047	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:58	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:58	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:58	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:58	KHA
108-86-1	Bromobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:58	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:58	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:58	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:58	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:58	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:58	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:58	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:58	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:58	KHA
67-66-3	Chloroform	0.0028	J	mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:58	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:58	KHA



Sample Information

Client Sample ID: 068_LSB-21C

York Sample ID: 21D0604-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0604

100688801

Soil

April 13, 2021 10:45 am

04/13/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include various chemical compounds like cis-1,2-Dichloroethylene, Cyclohexane, Ethyl Benzene, etc.



Sample Information

Client Sample ID: 068_LSB-21C

York Sample ID: 21D0604-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0604

100688801

Soil

April 13, 2021 10:45 am

04/13/2021

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
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:58	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:58	KHA
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	04/14/2021 06:47	04/14/2021 15:58	KHA
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	04/14/2021 06:47	04/14/2021 15:58	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:58	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:58	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 15:58	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 15:58	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	109 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.3 %	76-130								

Semivolatiles, 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	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0969	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0969	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD



Sample Information

Client Sample ID: 068_LSB-21C

York Sample ID: 21D0604-06

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:45 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0969	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
91-57-6	2-Methylnaphthalene	0.0961	J	mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0969	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0969	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0969	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0969	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD



Sample Information

Client Sample ID: 068_LSB-21C

York Sample ID: 21D0604-06

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:45 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0969	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
83-32-9	Acenaphthene	0.122		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
208-96-8	Acenaphthylene	0.0899	J	mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
62-53-3	Aniline	ND		mg/kg dry	0.194	0.388	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
120-12-7	Anthracene	0.358		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
92-87-5	Benzidine	ND		mg/kg dry	0.194	0.388	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
56-55-3	Benzo(a)anthracene	0.635		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
50-32-8	Benzo(a)pyrene	0.662		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
205-99-2	Benzo(b)fluoranthene	0.487		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
191-24-2	Benzo(g,h,i)perylene	0.359		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
207-08-9	Benzo(k)fluoranthene	0.428		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0969	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD



Sample Information

Client Sample ID: 068_LSB-21C

York Sample ID: 21D0604-06

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:45 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
86-74-8	Carbazole	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
218-01-9	Chrysen	0.712		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
53-70-3	Dibenzo(a,h)anthracene	0.126		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
206-44-0	Fluoranthene	1.27	CCV-E	mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
86-73-7	Fluorene	0.212		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
193-39-5	Indeno(1,2,3-cd)pyrene	0.383		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
91-20-3	Naphthalene	0.249		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD



Sample Information

Client Sample ID: 068_LSB-21C

York Sample ID: 21D0604-06

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:45 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
85-01-8	Phenanthrene	1.33		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
108-95-2	Phenol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
129-00-0	Pyrene	1.51	CCV-E	mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
110-86-1	Pyridine	ND		mg/kg dry	0.194	0.388	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 17:57	CD
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	58.0 %		20-108							
4165-62-2	Surrogate: SURR: Phenol-d5	48.0 %		23-114							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	73.3 %		22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	68.6 %		21-113							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	135 %	S-08	19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	78.6 %		24-116							

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	04/16/2021 07:32	04/16/2021 17:37	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	0.564	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:48	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.564	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:48	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.564	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:48	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.564	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:48	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	0.590		ug/kg dry	0.564	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:48	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.564	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:48	WL



Sample Information

Client Sample ID: 068_LSB-21C

York Sample ID: 21D0604-06

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:45 am	<u>Date Received</u> 04/13/2021
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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
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.564	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:48	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.564	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:48	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.564	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:48	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.564	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:48	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.564	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:48	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.564	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:48	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.564	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:48	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.564	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:48	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.564	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:48	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.564	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:48	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.564	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:48	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.564	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:48	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.564	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:48	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.564	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:48	WL
375-22-4	* Perfluoro-n-butyric acid (PFBA)	ND		ug/kg dry	0.564	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 21:48	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	98.0 %	25-150
Surrogate: M5PFHxA	99.9 %	25-150
Surrogate: M4PFHpA	99.2 %	25-150
Surrogate: M3PFHxS	102 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid	102 %	25-150
Surrogate: M6PFDA	79.9 %	25-150
Surrogate: M7PFUdA	75.4 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	82.2 %	25-150
Surrogate: M2PFTeDA	72.0 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid	96.8 %	25-150



Sample Information

Client Sample ID: 068_LSB-21C

York Sample ID: 21D0604-06

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0604	100688801	Soil	April 13, 2021 10:45 am	04/13/2021

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
	Surrogate: Perfluoro-1-[13C8]octanesulfor	83.9 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	98.7 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	59.9 %			10-150					
	Surrogate: d3-N-MeFOSAA	79.0 %			25-150					
	Surrogate: d5-N-EtFOSAA	108 %			25-150					
	Surrogate: M2-6:2 FTS	95.2 %			25-150					
	Surrogate: M2-8:2 FTS	87.7 %			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	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:54	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:54	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:54	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:54	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:54	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/15/2021 13:47	04/19/2021 12:54	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:54	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:54	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:54	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:54	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/15/2021 13:47	04/19/2021 12:54	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:54	CM
72-20-8	Endrin	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:54	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:54	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:54	CM



Sample Information

Client Sample ID: 068_LSB-21C

York Sample ID: 21D0604-06

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:45 am	<u>Date Received</u> 04/13/2021
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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
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:54	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/15/2021 13:47	04/19/2021 12:54	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:54	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:54	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:54	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 12:54	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	81.8 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	42.0 %	30-150							

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:40	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:40	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:40	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:40	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:40	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:40	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:40	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications:	04/15/2021 13:47	04/19/2021 14:40	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	82.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	69.0 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 068_LSB-21C

York Sample ID: 21D0604-06

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0604	100688801	Soil	April 13, 2021 10:45 am	04/13/2021

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	0.0229	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 07:24	04/15/2021 22:01	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0229	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 07:24	04/15/2021 22:01	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0229	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 07:24	04/15/2021 22:01	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	66.8 %	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
7429-90-5	Aluminum	6680		mg/kg dry	5.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:22	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:22	WJM
7440-38-2	Arsenic	3.64		mg/kg dry	1.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:22	WJM
7440-39-3	Barium	365		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:22	WJM
7440-41-7	Beryllium	0.277		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:22	WJM
7440-43-9	Cadmium	ND		mg/kg dry	0.350	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:22	WJM
7440-70-2	Calcium	5080		mg/kg dry	5.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:22	WJM
7440-47-3	Chromium	15.2		mg/kg dry	0.583	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:22	WJM
7440-48-4	Cobalt	7.01		mg/kg dry	0.466	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:22	WJM
7440-50-8	Copper	43.5		mg/kg dry	2.33	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:22	WJM
7439-89-6	Iron	15400		mg/kg dry	29.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:22	WJM
7439-92-1	Lead	150		mg/kg dry	0.583	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:22	WJM
7439-95-4	Magnesium	978		mg/kg dry	5.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:22	WJM
7439-96-5	Manganese	117		mg/kg dry	0.583	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:22	WJM
7440-02-0	Nickel	16.2		mg/kg dry	1.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:22	WJM



Sample Information

Client Sample ID: 068_LSB-21C

York Sample ID: 21D0604-06

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 10:45 am	<u>Date Received</u> 04/13/2021
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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
7440-09-7	Potassium	954	B	mg/kg dry	5.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:22	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:22	WJM
7440-22-4	Silver	ND		mg/kg dry	0.583	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:22	WJM
7440-23-5	Sodium	224		mg/kg dry	58.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:22	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:22	WJM
7440-62-2	Vanadium	32.8		mg/kg dry	1.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:22	WJM
7440-66-6	Zinc	169		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:22	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	0.0740		mg/kg dry	0.0350	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/14/2021 13:49	04/14/2021 18:51	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	04/15/2021 07:58	04/15/2021 13:08	OT

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	04/22/2021 14:10	04/22/2021 22:01	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	85.8		%	0.100	1	SM 2540G Certifications: CTDOH	04/15/2021 14:31	04/16/2021 09:38	OT



Sample Information

Client Sample ID: 068_LSB-21C

York Sample ID: 21D0604-06

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0604	100688801	Soil	April 13, 2021 10:45 am	04/13/2021



Sample Information

Client Sample ID: 069_LSB-23A

York Sample ID: 21D0604-07

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0604	100688801	Soil	April 13, 2021 11:35 am	04/13/2021

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	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 16:24	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 16:24	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA



Sample Information

Client Sample ID: 069_LSB-23A

York Sample ID: 21D0604-07

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:35 am	<u>Date Received</u> 04/13/2021
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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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.039	0.077	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 16:24	KHA
78-93-3	2-Butanone	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
591-78-6	2-Hexanone	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
67-64-1	Acetone	0.0040	CCV-E, J	mg/kg dry	0.0039	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0039	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
108-86-1	Bromobenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
67-66-3	Chloroform	0.0022	J	mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA



Sample Information

Client Sample ID: 069_LSB-23A

York Sample ID: 21D0604-07

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:35 am	<u>Date Received</u> 04/13/2021
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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
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
75-09-2	Methylene chloride	0.0039	J	mg/kg dry	0.0039	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0039	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA



Sample Information

Client Sample ID: 069_LSB-23A

York Sample ID: 21D0604-07

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:35 am	<u>Date Received</u> 04/13/2021
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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
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:24	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0058	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 16:24	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.3 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	107 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %			76-130						

Semivolatiles, 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	0.332	0.663	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.663	1.32	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.663	1.32	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD



Sample Information

Client Sample ID: 069_LSB-23A

York Sample ID: 21D0604-07

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:35 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.663	1.32	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
95-48-7	2-Methylphenol	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.663	1.32	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.663	1.32	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.663	1.32	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.663	1.32	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD



Sample Information

Client Sample ID: 069_LSB-23A

York Sample ID: 21D0604-07

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:35 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.663	1.32	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
83-32-9	Acenaphthene	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
208-96-8	Acenaphthylene	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
62-53-3	Aniline	ND		mg/kg dry	1.33	2.65	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
120-12-7	Anthracene	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
92-87-5	Benzdine	ND		mg/kg dry	1.33	2.65	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
56-55-3	Benzo(a)anthracene	0.863		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
50-32-8	Benzo(a)pyrene	0.911		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
205-99-2	Benzo(b)fluoranthene	0.848		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
191-24-2	Benzo(g,h,i)perylene	0.583	J	mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
207-08-9	Benzo(k)fluoranthene	0.683		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
117-81-7	Bis(2-ethylhexyl)phthalate	0.482	J	mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.663	1.32	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD



Sample Information

Client Sample ID: 069_LSB-23A

York Sample ID: 21D0604-07

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:35 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
86-74-8	Carbazole	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
218-01-9	Chrysen	0.789		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
132-64-9	Dibenzofuran	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
206-44-0	Fluoranthene	1.30	CCV-E	mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
86-73-7	Fluorene	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
193-39-5	Indeno(1,2,3-cd)pyrene	0.583	J	mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
78-59-1	Isophorone	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
91-20-3	Naphthalene	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD



Sample Information

Client Sample ID: 069_LSB-23A

York Sample ID: 21D0604-07

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:35 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
85-01-8	Phenanthrene	0.514	J	mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
108-95-2	Phenol	ND		mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
129-00-0	Pyrene	1.23	CCV-E	mg/kg dry	0.332	0.663	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
110-86-1	Pyridine	ND		mg/kg dry	1.33	2.65	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 18:29	CD
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	48.9 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	43.8 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	52.2 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	57.6 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	101 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	56.4 %			24-116						

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	9.17	1	EPA 8270D SIM Certifications: NELAC-NY10854	04/16/2021 07:32	04/16/2021 17:55	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	0.514	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:10	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:10	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:10	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:10	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	1.09		ug/kg dry	0.514	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:10	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	1.47		ug/kg dry	0.514	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:10	WL



Sample Information

Client Sample ID: 069_LSB-23A

York Sample ID: 21D0604-07

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:35 am	<u>Date Received</u> 04/13/2021
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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
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:10	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:10	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:10	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:10	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:10	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:10	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:10	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:10	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:10	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:10	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:10	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:10	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:10	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:10	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	0.690		ug/kg dry	0.514	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:10	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	92.6 %	25-150
Surrogate: M5PFHxA	95.4 %	25-150
Surrogate: M4PFHpA	83.9 %	25-150
Surrogate: M3PFHxS	94.2 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid	106 %	25-150
Surrogate: M6PFDA	95.0 %	25-150
Surrogate: M7PFUdA	74.4 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	71.0 %	25-150
Surrogate: M2PFTeDA	63.1 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid	92.4 %	25-150



Sample Information

Client Sample ID: 069_LSB-23A

York Sample ID: 21D0604-07

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:35 am	<u>Date Received</u> 04/13/2021
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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
	Surrogate: Perfluoro-1-[13C8]octanesulfor	87.7 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	93.1 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	62.1 %			10-150					
	Surrogate: d3-N-MeFOSAA	115 %			25-150					
	Surrogate: d5-N-EtFOSAA	127 %			25-150					
	Surrogate: M2-6:2 FTS	215 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	266 %	PFSu-H		25-150					
	Surrogate: M9PFNA	104 %			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	04/15/2021 13:47	04/19/2021 13:10	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:10	CM
50-29-3	4,4'-DDT	0.00489		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:10	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:10	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:10	CM
5103-71-9	alpha-Chlordane	0.0139		mg/kg dry	0.00175	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/15/2021 13:47	04/19/2021 13:10	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:10	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:10	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:10	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:10	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/15/2021 13:47	04/19/2021 13:10	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:10	CM
72-20-8	Endrin	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:10	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:10	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:10	CM



Sample Information

Client Sample ID: 069_LSB-23A

York Sample ID: 21D0604-07

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:35 am	<u>Date Received</u> 04/13/2021
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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
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:10	CM
5566-34-7	gamma-Chlordane	0.0136		mg/kg dry	0.00175	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/15/2021 13:47	04/19/2021 13:10	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:10	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:10	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:10	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:10	CM
	Surrogate Recoveries	Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	95.6 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	61.7 %					30-150			

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 17:21	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 17:21	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 17:21	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 17:21	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 17:21	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 17:21	BJ
11096-82-5	Aroclor 1260	0.0579		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 17:21	BJ
1336-36-3	* Total PCBs	0.0579		mg/kg dry	0.0176	1	EPA 8082A Certifications:	04/15/2021 13:47	04/16/2021 17:21	BJ
	Surrogate Recoveries	Result					Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	84.0 %					30-120			
2051-24-3	Surrogate: Decachlorobiphenyl	70.5 %					30-120			

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 069_LSB-23A

York Sample ID: 21D0604-07

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0604	100688801	Soil	April 13, 2021 11:35 am	04/13/2021

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	04/15/2021 07:24	04/15/2021 22:22	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0209	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 07:24	04/15/2021 22:22	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0209	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 07:24	04/15/2021 22:22	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	59.6 %	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
7429-90-5	Aluminum	7740		mg/kg dry	5.35	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:25	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:25	WJM
7440-38-2	Arsenic	3.98		mg/kg dry	1.60	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:25	WJM
7440-39-3	Barium	194		mg/kg dry	2.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:25	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.053	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:25	WJM
7440-43-9	Cadmium	0.980		mg/kg dry	0.321	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:25	WJM
7440-70-2	Calcium	18300		mg/kg dry	5.35	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:25	WJM
7440-47-3	Chromium	26.9		mg/kg dry	0.535	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:25	WJM
7440-48-4	Cobalt	6.64		mg/kg dry	0.428	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:25	WJM
7440-50-8	Copper	69.3		mg/kg dry	2.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:25	WJM
7439-89-6	Iron	17600		mg/kg dry	26.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:25	WJM
7439-92-1	Lead	287		mg/kg dry	0.535	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:25	WJM
7439-95-4	Magnesium	7480		mg/kg dry	5.35	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:25	WJM
7439-96-5	Manganese	233		mg/kg dry	0.535	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:25	WJM
7440-02-0	Nickel	24.7		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:25	WJM



Sample Information

Client Sample ID: 069_LSB-23A

York Sample ID: 21D0604-07

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:35 am	<u>Date Received</u> 04/13/2021
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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
7440-09-7	Potassium	1150	B	mg/kg dry	5.35	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:25	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:25	WJM
7440-22-4	Silver	ND		mg/kg dry	0.535	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:25	WJM
7440-23-5	Sodium	220		mg/kg dry	53.5	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:25	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:25	WJM
7440-62-2	Vanadium	33.7		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:25	WJM
7440-66-6	Zinc	325		mg/kg dry	2.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:25	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	0.424		mg/kg dry	0.0321	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/14/2021 13:49	04/14/2021 19:00	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	0.535	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	04/15/2021 07:58	04/15/2021 13:08	OT

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	0.535	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/22/2021 14:10	04/22/2021 22:01	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	93.5		%	0.100	1	SM 2540G Certifications: CTDOH	04/15/2021 14:31	04/16/2021 09:38	OT



Sample Information

Client Sample ID: 069_LSB-23A

York Sample ID: 21D0604-07

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0604	100688801	Soil	April 13, 2021 11:35 am	04/13/2021



Sample Information

Client Sample ID: 070_LSB-23B

York Sample ID: 21D0604-08

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:50 am	<u>Date Received</u> 04/13/2021
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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	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 16:50	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 16:50	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA



Sample Information

Client Sample ID: 070_LSB-23B

York Sample ID: 21D0604-08

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:50 am	<u>Date Received</u> 04/13/2021
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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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.040	0.080	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 16:50	KHA
78-93-3	2-Butanone	0.0069	CCV-E	mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
591-78-6	2-Hexanone	0.0051		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
108-10-1	4-Methyl-2-pentanone	0.0036	J	mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
67-64-1	Acetone	0.014	CCV-E	mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
108-86-1	Bromobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
67-66-3	Chloroform	0.0023	J	mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA



Sample Information

Client Sample ID: 070_LSB-23B

York Sample ID: 21D0604-08

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:50 am	<u>Date Received</u> 04/13/2021
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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
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
75-09-2	Methylene chloride	0.0069	J	mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 16:50	KHA



Sample Information

Client Sample ID: 070_LSB-23B

York Sample ID: 21D0604-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0604

100688801

Soil

April 13, 2021 11:50 am

04/13/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Tetrachloroethylene, Toluene, trans-1,2-Dichloroethylene, trans-1,3-Dichloropropylene, Trichloroethylene, Trichlorofluoromethane, Vinyl Chloride, Xylenes, Total, and Surrogate Recoveries.

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for 1,1-Biphenyl, 1,2,4,5-Tetrachlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,2-Diphenylhydrazine (as Azobenzene), 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, and 2,3,4,6-Tetrachlorophenol.



Sample Information

Client Sample ID: 070_LSB-23B

York Sample ID: 21D0604-08

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:50 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.859	1.72	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
95-48-7	2-Methylphenol	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.859	1.72	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.859	1.72	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.859	1.72	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.859	1.72	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD



Sample Information

Client Sample ID: 070_LSB-23B

York Sample ID: 21D0604-08

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:50 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.859	1.72	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
83-32-9	Acenaphthene	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
208-96-8	Acenaphthylene	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
62-53-3	Aniline	ND		mg/kg dry	1.72	3.44	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
120-12-7	Anthracene	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
92-87-5	Benzidine	ND		mg/kg dry	1.72	3.44	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.859	1.72	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD



Sample Information

Client Sample ID: 070_LSB-23B

York Sample ID: 21D0604-08

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:50 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
86-74-8	Carbazole	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
218-01-9	Chrysene	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
132-64-9	Dibenzofuran	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
206-44-0	Fluoranthene	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
86-73-7	Fluorene	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
78-59-1	Isophorone	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
91-20-3	Naphthalene	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD



Sample Information

Client Sample ID: 070_LSB-23B

York Sample ID: 21D0604-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0604

100688801

Soil

April 13, 2021 11:50 am

04/13/2021

Semivolatiles, 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
85-01-8	Phenanthrene	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
108-95-2	Phenol	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
129-00-0	Pyrene	ND		mg/kg dry	0.430	0.859	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
110-86-1	Pyridine	ND		mg/kg dry	1.72	3.44	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:00	CD
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	14.0 %	S-01	20-108							
4165-62-2	Surrogate: SURR: Phenol-d5	27.6 %		23-114							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	47.2 %		22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	40.8 %		21-113							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	22.4 %		19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	47.2 %		24-116							

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	9.35	1	EPA 8270D SIM Certifications: NELAC-NY10854	04/16/2021 07:32	04/16/2021 18:12	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	0.477	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:32	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:32	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:32	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:32	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:32	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:32	WL



Sample Information

Client Sample ID: 070_LSB-23B

York Sample ID: 21D0604-08

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:50 am	<u>Date Received</u> 04/13/2021
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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
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:32	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:32	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:32	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:32	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:32	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:32	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:32	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:32	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:32	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:32	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:32	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:32	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:32	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:32	WL
375-22-4	* Perfluoro-n-butyric acid (PFBA)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 22:32	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	88.9 %	25-150
Surrogate: M5PFHxA	93.8 %	25-150
Surrogate: M4PFHpA	94.4 %	25-150
Surrogate: M3PFHxS	97.8 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	105 %	25-150
Surrogate: M6PFDA	103 %	25-150
Surrogate: M7PFUdA	87.3 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	79.5 %	25-150
Surrogate: M2PFTeDA	59.1 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	85.8 %	25-150



Sample Information

Client Sample ID: 070_LSB-23B

York Sample ID: 21D0604-08

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0604	100688801	Soil	April 13, 2021 11:50 am	04/13/2021

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
	Surrogate: Perfluoro-1-[13C8]octanesulfor	92.4 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	88.6 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	65.2 %			10-150					
	Surrogate: d3-N-MeFOSAA	129 %			25-150					
	Surrogate: d5-N-EtFOSAA	151 %	PFSu-H		25-150					
	Surrogate: M2-6:2 FTS	126 %			25-150					
	Surrogate: M2-8:2 FTS	235 %	PFSu-H		25-150					
	Surrogate: M9PFNA	116 %			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	0.00165	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:27	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00165	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:27	CM
50-29-3	4,4'-DDT	0.00601		mg/kg dry	0.00165	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:27	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00165	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:27	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00165	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:27	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00165	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/15/2021 13:47	04/19/2021 13:27	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00165	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:27	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00165	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:27	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00165	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:27	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00165	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:27	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00165	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/15/2021 13:47	04/19/2021 13:27	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00165	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:27	CM
72-20-8	Endrin	ND		mg/kg dry	0.00165	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:27	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00165	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:27	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00165	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:27	CM



Sample Information

Client Sample ID: 070_LSB-23B

York Sample ID: 21D0604-08

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:50 am	<u>Date Received</u> 04/13/2021
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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
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00165	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:27	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00165	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/15/2021 13:47	04/19/2021 13:27	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00165	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:27	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00165	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:27	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00165	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:27	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.165	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:27	CM
	Surrogate Recoveries	Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	57.7 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	76.0 %					30-150			

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0167	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 17:35	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0167	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 17:35	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0167	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 17:35	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0167	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 17:35	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0167	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 17:35	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0167	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 17:35	BJ
11096-82-5	Aroclor 1260	0.0354		mg/kg dry	0.0167	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 17:35	BJ
1336-36-3	* Total PCBs	0.0354		mg/kg dry	0.0167	1	EPA 8082A Certifications:	04/15/2021 13:47	04/16/2021 17:35	BJ
	Surrogate Recoveries	Result					Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	73.0 %					30-120			
2051-24-3	Surrogate: Decachlorobiphenyl	41.5 %					30-120			

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 070_LSB-23B

York Sample ID: 21D0604-08

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0604	100688801	Soil	April 13, 2021 11:50 am	04/13/2021

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	0.0205	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 07:24	04/15/2021 22:33	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0205	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 07:24	04/15/2021 22:33	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0205	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 07:24	04/15/2021 22:33	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	23.2 %	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
7429-90-5	Aluminum	2590		mg/kg dry	5.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:28	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:28	WJM
7440-38-2	Arsenic	ND		mg/kg dry	1.55	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:28	WJM
7440-39-3	Barium	44.8		mg/kg dry	2.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:28	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.052	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:28	WJM
7440-43-9	Cadmium	ND		mg/kg dry	0.310	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:28	WJM
7440-70-2	Calcium	36800		mg/kg dry	5.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:28	WJM
7440-47-3	Chromium	10.2		mg/kg dry	0.517	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:28	WJM
7440-48-4	Cobalt	2.33		mg/kg dry	0.413	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:28	WJM
7440-50-8	Copper	7.35		mg/kg dry	2.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:28	WJM
7439-89-6	Iron	5780		mg/kg dry	25.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:28	WJM
7439-92-1	Lead	8.64		mg/kg dry	0.517	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:28	WJM
7439-95-4	Magnesium	16200		mg/kg dry	5.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:28	WJM
7439-96-5	Manganese	108		mg/kg dry	0.517	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:28	WJM
7440-02-0	Nickel	16.9		mg/kg dry	1.03	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:28	WJM



Sample Information

Client Sample ID: 070_LSB-23B

York Sample ID: 21D0604-08

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:50 am	<u>Date Received</u> 04/13/2021
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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
7440-09-7	Potassium	1190	B	mg/kg dry	5.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:28	WJM
7782-49-2	Selenium	11.3		mg/kg dry	2.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:28	WJM
7440-22-4	Silver	ND		mg/kg dry	0.517	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:28	WJM
7440-23-5	Sodium	301		mg/kg dry	51.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:28	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:28	WJM
7440-62-2	Vanadium	93.5		mg/kg dry	1.03	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:28	WJM
7440-66-6	Zinc	14.0		mg/kg dry	2.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:28	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	0.0310	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/14/2021 13:49	04/14/2021 19:09	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	0.517	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	04/15/2021 07:58	04/15/2021 13:08	OT

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 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/22/2021 14:10	04/22/2021 22:01	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	96.8		%	0.100	1	SM 2540G Certifications: CTDOH	04/15/2021 14:31	04/16/2021 09:38	OT



Sample Information

Client Sample ID: 070_LSB-23B

York Sample ID: 21D0604-08

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0604	100688801	Soil	April 13, 2021 11:50 am	04/13/2021



Sample Information

Client Sample ID: 071_LSB-23C

York Sample ID: 21D0604-09

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:55 am	<u>Date Received</u> 04/13/2021
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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	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	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	04/14/2021 06:47	04/14/2021 17:16	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	04/14/2021 06:47	04/14/2021 17:16	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	04/14/2021 06:47	04/14/2021 17:16	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	04/14/2021 06:47	04/14/2021 17:16	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	04/14/2021 06:47	04/14/2021 17:16	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	04/14/2021 06:47	04/14/2021 17:16	KHA
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	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	04/14/2021 06:47	04/14/2021 17:16	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	04/14/2021 06:47	04/14/2021 17:16	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	04/14/2021 06:47	04/14/2021 17:16	KHA
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	04/14/2021 06:47	04/14/2021 17:16	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	04/14/2021 06:47	04/14/2021 17:16	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	04/14/2021 06:47	04/14/2021 17:16	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	04/14/2021 06:47	04/14/2021 17:16	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	04/14/2021 06:47	04/14/2021 17:16	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	04/14/2021 06:47	04/14/2021 17:16	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	04/14/2021 06:47	04/14/2021 17:16	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	04/14/2021 06:47	04/14/2021 17:16	KHA
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	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	04/14/2021 06:47	04/14/2021 17:16	KHA



Sample Information

Client Sample ID: 071_LSB-23C

York Sample ID: 21D0604-09

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:55 am	<u>Date Received</u> 04/13/2021
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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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.054	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	KHA
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 17:16	KHA
78-93-3	2-Butanone	0.033	CCV-E	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	KHA
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	KHA
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	KHA
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	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	04/14/2021 06:47	04/14/2021 17:16	KHA
67-64-1	Acetone	0.12	CCV-E	mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	KHA
108-86-1	Bromobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	KHA
75-15-0	Carbon disulfide	0.0032	J	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	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	04/14/2021 06:47	04/14/2021 17:16	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	KHA
67-66-3	Chloroform	0.0032	J	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	KHA



Sample Information

Client Sample ID: 071_LSB-23C

York Sample ID: 21D0604-09

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:55 am	<u>Date Received</u> 04/13/2021
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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
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	04/14/2021 06:47	04/14/2021 17:16	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	04/14/2021 06:47	04/14/2021 17:16	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	KHA
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	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	04/14/2021 06:47	04/14/2021 17:16	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	KHA
75-09-2	Methylene chloride	0.0072	J	mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	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	04/14/2021 06:47	04/14/2021 17:16	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	04/14/2021 06:47	04/14/2021 17:16	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/14/2021 06:47	04/14/2021 17:16	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/14/2021 06:47	04/14/2021 17:16	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	04/14/2021 06:47	04/14/2021 17:16	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	04/14/2021 06:47	04/14/2021 17:16	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	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	04/14/2021 06:47	04/14/2021 17:16	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	04/14/2021 06:47	04/14/2021 17:16	KHA



Sample Information

Client Sample ID: 071_LSB-23C

York Sample ID: 21D0604-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0604

100688801

Soil

April 13, 2021 11:55 am

04/13/2021

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
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	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	04/14/2021 06:47	04/14/2021 17:16	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	04/14/2021 06:47	04/14/2021 17:16	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 17:16	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0081	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 17:16	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.2 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	109 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	104 %			76-130						

Semivolatiles, 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	0.0552	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD



Sample Information

Client Sample ID: 071_LSB-23C

York Sample ID: 21D0604-09

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:55 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD



Sample Information

Client Sample ID: 071_LSB-23C

York Sample ID: 21D0604-09

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:55 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
83-32-9	Acenaphthene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
62-53-3	Aniline	ND		mg/kg dry	0.221	0.441	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
120-12-7	Anthracene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
100-52-7	Benzaldehyde	1.14		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
92-87-5	Benzidine	ND		mg/kg dry	0.221	0.441	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
56-55-3	Benzo(a)anthracene	0.0687	J	mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
50-32-8	Benzo(a)pyrene	0.0678	J	mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
205-99-2	Benzo(b)fluoranthene	0.0660	J	mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
207-08-9	Benzo(k)fluoranthene	0.0590	J	mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
117-81-7	Bis(2-ethylhexyl)phthalate	0.0616	J	mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD



Sample Information

Client Sample ID: 071_LSB-23C

York Sample ID: 21D0604-09

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:55 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
86-74-8	Carbazole	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
218-01-9	Chrysen	0.0740	J	mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
206-44-0	Fluoranthene	0.118	CCV-E	mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
86-73-7	Fluorene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
91-20-3	Naphthalene	0.0828	J	mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD



Sample Information

Client Sample ID: 071_LSB-23C

York Sample ID: 21D0604-09

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:55 am	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
85-01-8	Phenanthrene	0.0819	J	mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
108-95-2	Phenol	ND		mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
129-00-0	Pyrene	0.109	CCV-E, J	mg/kg dry	0.0552	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
110-86-1	Pyridine	ND		mg/kg dry	0.221	0.441	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 19:32	CD
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	59.0 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	54.3 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	73.5 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	67.7 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	126 %	S-08		19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	64.6 %			24-116						

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	04/16/2021 07:32	04/16/2021 19:05	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	0.653	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:17	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.653	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:17	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.653	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:17	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.653	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:17	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.653	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:17	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.653	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:17	WL



Sample Information

Client Sample ID: 071_LSB-23C

York Sample ID: 21D0604-09

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:55 am	<u>Date Received</u> 04/13/2021
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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
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.653	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:17	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.653	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:17	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.653	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:17	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.653	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:17	WL
72629-94-8	* Perfluorotridecanoic acid (PFTDA)	ND		ug/kg dry	0.653	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:17	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.653	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:17	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.653	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:17	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.653	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:17	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.653	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:17	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.653	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:17	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.653	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:17	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.653	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:17	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.653	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:17	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.653	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:17	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	1.97		ug/kg dry	0.653	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:17	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	91.8 %	25-150
Surrogate: M5PFHxA	96.0 %	25-150
Surrogate: M4PFHpA	61.1 %	25-150
Surrogate: M3PFHxS	89.5 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid	103 %	25-150
Surrogate: M6PFDA	82.9 %	25-150
Surrogate: M7PFUdA	74.5 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	71.7 %	25-150
Surrogate: M2PFTeDA	54.9 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid	98.9 %	25-150



Sample Information

Client Sample ID: 071_LSB-23C

York Sample ID: 21D0604-09

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:55 am	<u>Date Received</u> 04/13/2021
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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
	Surrogate: Perfluoro-1-[13C8]octanesulfor	82.2 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	94.4 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	49.4 %			10-150					
	Surrogate: d3-N-MeFOSAA	95.5 %			25-150					
	Surrogate: d5-N-EtFOSAA	93.3 %			25-150					
	Surrogate: M2-6:2 FTS	336 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	307 %	PFSu-H		25-150					
	Surrogate: M9PFNA	94.1 %			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	0.00219	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:44	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00219	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:44	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00219	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:44	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00219	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:44	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00219	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:44	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00219	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/15/2021 13:47	04/19/2021 13:44	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00219	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:44	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00219	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:44	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00219	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:44	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00219	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:44	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00219	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/15/2021 13:47	04/19/2021 13:44	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00219	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:44	CM
72-20-8	Endrin	ND		mg/kg dry	0.00219	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:44	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00219	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:44	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00219	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:44	CM



Sample Information

Client Sample ID: 071_LSB-23C

York Sample ID: 21D0604-09

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:55 am	<u>Date Received</u> 04/13/2021
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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
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00219	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:44	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00219	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/15/2021 13:47	04/19/2021 13:44	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00219	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:44	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00219	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:44	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00219	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:44	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.219	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 13:44	CM
	Surrogate Recoveries	Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	61.0 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	40.5 %					30-150			

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0221	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:54	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0221	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:54	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0221	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:54	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0221	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:54	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0221	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:54	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0221	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:54	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0221	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:54	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0221	1	EPA 8082A Certifications:	04/15/2021 13:47	04/19/2021 14:54	BJ
	Surrogate Recoveries	Result					Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	83.0 %					30-120			
2051-24-3	Surrogate: Decachlorobiphenyl	66.0 %					30-120			

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 071_LSB-23C

York Sample ID: 21D0604-09

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0604	100688801	Soil	April 13, 2021 11:55 am	04/13/2021

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	0.0263	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 07:24	04/15/2021 22:44	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0263	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 07:24	04/15/2021 22:44	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0263	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 07:24	04/15/2021 22:44	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
7429-90-5	Aluminum	9360		mg/kg dry	6.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:30	WJM
7440-36-0	Antimony	ND		mg/kg dry	3.37	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:30	WJM
7440-38-2	Arsenic	5.62		mg/kg dry	2.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:30	WJM
7440-39-3	Barium	1190		mg/kg dry	3.37	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:30	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.067	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:30	WJM
7440-43-9	Cadmium	3.58		mg/kg dry	0.404	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:30	WJM
7440-70-2	Calcium	3660		mg/kg dry	6.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:30	WJM
7440-47-3	Chromium	36.7		mg/kg dry	0.674	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:30	WJM
7440-48-4	Cobalt	5.71		mg/kg dry	0.539	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:30	WJM
7440-50-8	Copper	2380		mg/kg dry	2.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:30	WJM
7439-89-6	Iron	13800		mg/kg dry	33.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:30	WJM
7439-92-1	Lead	1360		mg/kg dry	0.674	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:30	WJM
7439-95-4	Magnesium	1140		mg/kg dry	6.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:30	WJM
7439-96-5	Manganese	117		mg/kg dry	0.674	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:30	WJM
7440-02-0	Nickel	16.9		mg/kg dry	1.35	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:30	WJM



Sample Information

Client Sample ID: 071_LSB-23C

York Sample ID: 21D0604-09

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 11:55 am	<u>Date Received</u> 04/13/2021
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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
7440-09-7	Potassium	610	B	mg/kg dry	6.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:30	WJM
7782-49-2	Selenium	ND		mg/kg dry	3.37	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:30	WJM
7440-22-4	Silver	2.10		mg/kg dry	0.674	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:30	WJM
7440-23-5	Sodium	691		mg/kg dry	67.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:30	WJM
7440-28-0	Thallium	ND		mg/kg dry	3.37	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:30	WJM
7440-62-2	Vanadium	24.1		mg/kg dry	1.35	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:30	WJM
7440-66-6	Zinc	589		mg/kg dry	3.37	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:30	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	5.92		mg/kg dry	0.0404	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/14/2021 13:49	04/14/2021 19:18	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	0.674	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	04/15/2021 07:58	04/15/2021 13:08	OT

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	0.674	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/22/2021 14:10	04/22/2021 22:01	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	74.2		%	0.100	1	SM 2540G Certifications: CTDOH	04/15/2021 14:31	04/16/2021 09:38	OT



Sample Information

Client Sample ID: 071_LSB-23C

York Sample ID: 21D0604-09

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0604	100688801	Soil	April 13, 2021 11:55 am	04/13/2021



Sample Information

Client Sample ID: 072_LSB-26A

York Sample ID: 21D0604-10

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 1:45 pm	<u>Date Received</u> 04/13/2021
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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	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	MD
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	MD
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	MD



Sample Information

Client Sample ID: 072_LSB-26A

York Sample ID: 21D0604-10

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 1:45 pm	<u>Date Received</u> 04/13/2021
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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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.050	0.099	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	MD
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/15/2021 17:17	MD
78-93-3	2-Butanone	0.017	CCV-E	mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	MD
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	MD
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	MD
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	MD
67-64-1	Acetone	0.076	CCV-E	mg/kg dry	0.0050	0.0099	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	MD
107-02-8	Acrolein	ND		mg/kg dry	0.0050	0.0099	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	MD
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	MD
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	MD
108-86-1	Bromobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	MD
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	MD
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	MD
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	MD
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	MD
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	MD
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	MD
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	MD
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	MD



Sample Information

Client Sample ID: 072_LSB-26A

York Sample ID: 21D0604-10

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 1:45 pm	<u>Date Received</u> 04/13/2021
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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
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	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	MD
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	MD
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	MD
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	MD
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	MD
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	MD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	MD
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	MD
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	MD
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	MD
75-09-2	Methylene chloride	0.0060	J	mg/kg dry	0.0050	0.0099	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	MD
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0050	0.0099	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	MD
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	MD



Sample Information

Client Sample ID: 072_LSB-26A

York Sample ID: 21D0604-10

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 1:45 pm	<u>Date Received</u> 04/13/2021
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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
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	MD
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	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	04/14/2021 06:47	04/15/2021 17:17	MD
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	MD
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	MD
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/15/2021 17:17	MD
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0075	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/15/2021 17:17	MD
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	106 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	112 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	120 %			76-130						

Semivolatiles, 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	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0950	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0950	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD



Sample Information

Client Sample ID: 072_LSB-26A

York Sample ID: 21D0604-10

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 1:45 pm	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0950	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0950	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0950	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0950	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0950	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD



Sample Information

Client Sample ID: 072_LSB-26A

York Sample ID: 21D0604-10

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 1:45 pm	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0950	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
83-32-9	Acenaphthene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
208-96-8	Acenaphthylene	0.0547	J	mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
62-53-3	Aniline	ND		mg/kg dry	0.190	0.381	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
120-12-7	Anthracene	0.143		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
92-87-5	Benzidine	ND		mg/kg dry	0.190	0.381	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
56-55-3	Benzo(a)anthracene	0.445		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
50-32-8	Benzo(a)pyrene	0.518		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
205-99-2	Benzo(b)fluoranthene	0.427		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
191-24-2	Benzo(g,h,i)perylene	0.267		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
207-08-9	Benzo(k)fluoranthene	0.384		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0950	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD



Sample Information

Client Sample ID: 072_LSB-26A

York Sample ID: 21D0604-10

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 1:45 pm	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
86-74-8	Carbazole	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
218-01-9	Chrysen	0.423		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
53-70-3	Dibenzo(a,h)anthracene	0.0995		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
206-44-0	Fluoranthene	0.973	CCV-E	mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
86-73-7	Fluorene	0.0539	J	mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
193-39-5	Indeno(1,2,3-cd)pyrene	0.289		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
91-20-3	Naphthalene	0.0889	J	mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD



Sample Information

Client Sample ID: 072_LSB-26A

York Sample ID: 21D0604-10

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 1:45 pm	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
85-01-8	Phenanthrene	0.406		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
108-95-2	Phenol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
129-00-0	Pyrene	0.710	CCV-E	mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
110-86-1	Pyridine	ND		mg/kg dry	0.190	0.381	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:03	CD
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	41.8 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	40.8 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	53.8 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	53.8 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	50.1 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	60.2 %			24-116						

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	04/16/2021 07:32	04/16/2021 19:23	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	0.565	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:39	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.565	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:39	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.565	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:39	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.565	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:39	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.565	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:39	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.565	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:39	WL



Sample Information

Client Sample ID: 072_LSB-26A

York Sample ID: 21D0604-10

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 1:45 pm	<u>Date Received</u> 04/13/2021
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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
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.565	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:39	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.565	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:39	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.565	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:39	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.565	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:39	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.565	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:39	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.565	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:39	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.565	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:39	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.565	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:39	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.565	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:39	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.565	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:39	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.565	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:39	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.565	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:39	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.565	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:39	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.565	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:39	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	0.584		ug/kg dry	0.565	1	EPA 537m Certifications:	04/14/2021 16:30	04/16/2021 23:39	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	85.6 %	25-150
Surrogate: M5PFHxA	92.6 %	25-150
Surrogate: M4PFHpA	76.0 %	25-150
Surrogate: M3PFHxS	92.2 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid	103 %	25-150
Surrogate: M6PFDA	90.6 %	25-150
Surrogate: M7PFUdA	81.2 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	71.5 %	25-150
Surrogate: M2PFTeDA	62.4 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid	87.9 %	25-150



Sample Information

Client Sample ID: 072_LSB-26A

York Sample ID: 21D0604-10

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 1:45 pm	<u>Date Received</u> 04/13/2021
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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
	Surrogate: Perfluoro-1-[13C8]octanesulfor	86.0 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	87.8 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	57.9 %			10-150					
	Surrogate: d3-N-MeFOSAA	106 %			25-150					
	Surrogate: d5-N-EtFOSAA	130 %			25-150					
	Surrogate: M2-6:2 FTS	212 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	269 %	PFSu-H		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	0.0148		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:01	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:01	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:01	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:01	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:01	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/15/2021 13:47	04/19/2021 14:01	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:01	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:01	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:01	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:01	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/15/2021 13:47	04/19/2021 14:01	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:01	CM
72-20-8	Endrin	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:01	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:01	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:01	CM



Sample Information

Client Sample ID: 072_LSB-26A

York Sample ID: 21D0604-10

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 1:45 pm	<u>Date Received</u> 04/13/2021
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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
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:01	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/15/2021 13:47	04/19/2021 14:01	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:01	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:01	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:01	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:01	CM
	Surrogate Recoveries	Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	119 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	31.9 %					30-150			

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 15:07	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 15:07	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 15:07	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 15:07	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 15:07	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 15:07	BJ
11096-82-5	Aroclor 1260	0.0291		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 15:07	BJ
1336-36-3	* Total PCBs	0.0291		mg/kg dry	0.0191	1	EPA 8082A Certifications:	04/15/2021 13:47	04/19/2021 15:07	BJ
	Surrogate Recoveries	Result					Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	81.0 %					30-120			
2051-24-3	Surrogate: Decachlorobiphenyl	124 %	S-GC				30-120			

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 072_LSB-26A

York Sample ID: 21D0604-10

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 1:45 pm	<u>Date Received</u> 04/13/2021
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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	04/15/2021 07:24	04/15/2021 22:55	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0231	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 07:24	04/15/2021 22:55	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0231	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 07:24	04/15/2021 22:55	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	62.4 %	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
7429-90-5	Aluminum	8090		mg/kg dry	5.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:33	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:33	WJM
7440-38-2	Arsenic	5.04		mg/kg dry	1.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:33	WJM
7440-39-3	Barium	411		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:33	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:33	WJM
7440-43-9	Cadmium	0.874		mg/kg dry	0.349	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:33	WJM
7440-70-2	Calcium	7320		mg/kg dry	5.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:33	WJM
7440-47-3	Chromium	23.3		mg/kg dry	0.581	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:33	WJM
7440-48-4	Cobalt	6.81		mg/kg dry	0.465	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:33	WJM
7440-50-8	Copper	71.8		mg/kg dry	2.32	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:33	WJM
7439-89-6	Iron	18800		mg/kg dry	29.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:33	WJM
7439-92-1	Lead	433		mg/kg dry	0.581	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:33	WJM
7439-95-4	Magnesium	2250		mg/kg dry	5.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:33	WJM
7439-96-5	Manganese	138		mg/kg dry	0.581	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:33	WJM
7440-02-0	Nickel	20.9		mg/kg dry	1.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:33	WJM



Sample Information

Client Sample ID: 072_LSB-26A

York Sample ID: 21D0604-10

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 1:45 pm	<u>Date Received</u> 04/13/2021
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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
7440-09-7	Potassium	613	B	mg/kg dry	5.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:33	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:33	WJM
7440-22-4	Silver	ND		mg/kg dry	0.581	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:33	WJM
7440-23-5	Sodium	461		mg/kg dry	58.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:33	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:33	WJM
7440-62-2	Vanadium	23.6		mg/kg dry	1.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:33	WJM
7440-66-6	Zinc	295		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:33	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	0.314		mg/kg dry	0.0349	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/14/2021 13:49	04/14/2021 19:30	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	0.581	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	04/15/2021 07:58	04/15/2021 13:08	OT

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	0.581	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/22/2021 14:10	04/22/2021 22:01	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	86.0		%	0.100	1	SM 2540G Certifications: CTDOH	04/15/2021 14:31	04/16/2021 09:38	OT



Sample Information

Client Sample ID: 072_LSB-26A

York Sample ID: 21D0604-10

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0604	100688801	Soil	April 13, 2021 1:45 pm	04/13/2021



Sample Information

Client Sample ID: 073_LSB-26B

York Sample ID: 21D0604-11

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:00 pm	<u>Date Received</u> 04/13/2021
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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	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 18:09	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 18:09	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA



Sample Information

Client Sample ID: 073_LSB-26B

York Sample ID: 21D0604-11

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:00 pm	<u>Date Received</u> 04/13/2021
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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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.042	0.083	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 18:09	KHA
78-93-3	2-Butanone	0.0037	CCV-E, J	mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
67-64-1	Acetone	0.025	CCV-E	mg/kg dry	0.0042	0.0083	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0042	0.0083	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
108-86-1	Bromobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
67-66-3	Chloroform	0.0024	J	mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA



Sample Information

Client Sample ID: 073_LSB-26B

York Sample ID: 21D0604-11

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 21D0604, 100688801, Soil, April 13, 2021 2:00 pm, 04/13/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Main data table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Contains 20 rows of chemical analysis data.



Sample Information

Client Sample ID: 073_LSB-26B

York Sample ID: 21D0604-11

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:00 pm	<u>Date Received</u> 04/13/2021
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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
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:09	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 18:09	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.7 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	108 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %			76-130						

Semivolatiles, 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	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0964	0.193	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0964	0.193	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD



Sample Information

Client Sample ID: 073_LSB-26B

York Sample ID: 21D0604-11

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:00 pm	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0964	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
91-57-6	2-Methylnaphthalene	0.0655	J	mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0964	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0964	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0964	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0964	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD



Sample Information

Client Sample ID: 073_LSB-26B

York Sample ID: 21D0604-11

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:00 pm	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0964	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
83-32-9	Acenaphthene	0.189		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
208-96-8	Acenaphthylene	0.0801	J	mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
62-53-3	Aniline	ND		mg/kg dry	0.193	0.386	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
120-12-7	Anthracene	0.534		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
100-52-7	Benzaldehyde	0.687		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
92-87-5	Benzidine	ND		mg/kg dry	0.193	0.386	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
56-55-3	Benzo(a)anthracene	1.03		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
50-32-8	Benzo(a)pyrene	1.05		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
205-99-2	Benzo(b)fluoranthene	0.882		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
191-24-2	Benzo(g,h,i)perylene	0.350		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
207-08-9	Benzo(k)fluoranthene	0.781		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
85-68-7	Benzyl butyl phthalate	0.0678	J	mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0964	0.193	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD



Sample Information

Client Sample ID: 073_LSB-26B

York Sample ID: 21D0604-11

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:00 pm	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
86-74-8	Carbazole	0.125		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
218-01-9	Chrysene	0.998		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
53-70-3	Dibenzo(a,h)anthracene	0.123		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
132-64-9	Dibenzofuran	0.0871	J	mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
206-44-0	Fluoranthene	2.55	CCV-E	mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
86-73-7	Fluorene	0.227		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
193-39-5	Indeno(1,2,3-cd)pyrene	0.403		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
91-20-3	Naphthalene	0.166		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD



Sample Information

Client Sample ID: 073_LSB-26B

York Sample ID: 21D0604-11

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:00 pm	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
85-01-8	Phenanthrene	1.60		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
108-95-2	Phenol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
129-00-0	Pyrene	1.76	CCV-E	mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
110-86-1	Pyridine	ND		mg/kg dry	0.193	0.386	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 20:35	CD
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	54.3 %		20-108							
4165-62-2	Surrogate: SURR: Phenol-d5	48.6 %		23-114							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	56.0 %		22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	59.2 %		21-113							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	130 %	S-08	19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	68.3 %		24-116							

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	04/16/2021 07:32	04/16/2021 19:41	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	0.543	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:02	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.543	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:02	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.543	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:02	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.543	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:02	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	0.879		ug/kg dry	0.543	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:02	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	1.07		ug/kg dry	0.543	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:02	WL



Sample Information

Client Sample ID: 073_LSB-26B

York Sample ID: 21D0604-11

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:00 pm	<u>Date Received</u> 04/13/2021
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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
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.543	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:02	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.543	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:02	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.543	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:02	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.543	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:02	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.543	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:02	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.543	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:02	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.543	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:02	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.543	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:02	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.543	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:02	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.543	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:02	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.543	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:02	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.543	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:02	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.543	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:02	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.543	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:02	WL
375-22-4	* Perfluoro-n-butyric acid (PFBA)	ND		ug/kg dry	0.543	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:02	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	90.4 %	25-150
Surrogate: M5PFHxA	96.2 %	25-150
Surrogate: M4PFHpA	81.3 %	25-150
Surrogate: M3PFHxS	97.3 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid	105 %	25-150
Surrogate: M6PFDA	98.2 %	25-150
Surrogate: M7PFUdA	82.0 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	73.5 %	25-150
Surrogate: M2PFTeDA	59.5 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid	89.2 %	25-150



Sample Information

Client Sample ID: 073_LSB-26B

York Sample ID: 21D0604-11

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:00 pm	<u>Date Received</u> 04/13/2021
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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
	Surrogate: Perfluoro-1-[13C8]octanesulfor	92.2 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	90.1 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	56.0 %			10-150					
	Surrogate: d3-N-MeFOSAA	124 %			25-150					
	Surrogate: d5-N-EtFOSAA	131 %			25-150					
	Surrogate: M2-6:2 FTS	223 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	308 %	PFSu-H		25-150					
	Surrogate: M9PFNA	99.7 %			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	0.0118		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:18	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:18	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:18	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:18	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:18	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/15/2021 13:47	04/19/2021 14:18	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:18	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:18	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:18	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:18	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/15/2021 13:47	04/19/2021 14:18	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:18	CM
72-20-8	Endrin	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:18	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:18	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:18	CM



Sample Information

Client Sample ID: 073_LSB-26B

York Sample ID: 21D0604-11

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:00 pm	<u>Date Received</u> 04/13/2021
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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
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:18	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/15/2021 13:47	04/19/2021 14:18	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:18	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:18	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:18	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:18	CM
	Surrogate Recoveries	Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	87.5 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	39.0 %					30-150			

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 15:21	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 15:21	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 15:21	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 15:21	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 15:21	BJ
11097-69-1	Aroclor 1254	0.247		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 15:21	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 15:21	BJ
1336-36-3	* Total PCBs	0.247		mg/kg dry	0.0191	1	EPA 8082A Certifications:	04/15/2021 13:47	04/19/2021 15:21	BJ
	Surrogate Recoveries	Result					Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	86.5 %					30-120			
2051-24-3	Surrogate: Decachlorobiphenyl	88.0 %					30-120			

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 073_LSB-26B

York Sample ID: 21D0604-11

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:00 pm	<u>Date Received</u> 04/13/2021
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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	04/15/2021 07:24	04/15/2021 23:05	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0226	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 07:24	04/15/2021 23:05	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0226	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 07:24	04/15/2021 23:05	BJ

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	74.8 %	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
7429-90-5	Aluminum	6820		mg/kg dry	5.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:36	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:36	WJM
7440-38-2	Arsenic	4.40		mg/kg dry	1.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:36	WJM
7440-39-3	Barium	279		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:36	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:36	WJM
7440-43-9	Cadmium	0.963		mg/kg dry	0.348	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:36	WJM
7440-70-2	Calcium	17400		mg/kg dry	5.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:36	WJM
7440-47-3	Chromium	43.6		mg/kg dry	0.580	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:36	WJM
7440-48-4	Cobalt	6.10		mg/kg dry	0.464	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:36	WJM
7440-50-8	Copper	71.4		mg/kg dry	2.32	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:36	WJM
7439-89-6	Iron	19700		mg/kg dry	29.0	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:36	WJM
7439-92-1	Lead	367		mg/kg dry	0.580	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:36	WJM
7439-95-4	Magnesium	5620		mg/kg dry	5.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:36	WJM
7439-96-5	Manganese	203		mg/kg dry	0.580	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:36	WJM
7440-02-0	Nickel	22.0		mg/kg dry	1.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:36	WJM



Sample Information

Client Sample ID: 073_LSB-26B

York Sample ID: 21D0604-11

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:00 pm	<u>Date Received</u> 04/13/2021
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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
7440-09-7	Potassium	801	B	mg/kg dry	5.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:36	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:36	WJM
7440-22-4	Silver	ND		mg/kg dry	0.580	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:36	WJM
7440-23-5	Sodium	313		mg/kg dry	58.0	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:36	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:36	WJM
7440-62-2	Vanadium	25.0		mg/kg dry	1.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:36	WJM
7440-66-6	Zinc	267		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:36	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	0.341		mg/kg dry	0.0348	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/14/2021 13:49	04/14/2021 19:39	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	0.580	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	04/15/2021 07:58	04/15/2021 13:08	OT

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	0.580	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/22/2021 14:10	04/22/2021 22:01	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	86.2		%	0.100	1	SM 2540G Certifications: CTDOH	04/15/2021 14:31	04/16/2021 09:38	OT



Sample Information

Client Sample ID: 073_LSB-26B

York Sample ID: 21D0604-11

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0604	100688801	Soil	April 13, 2021 2:00 pm	04/13/2021



Sample Information

Client Sample ID: 074_LSB-25A

York Sample ID: 21D0604-12

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:20 pm	<u>Date Received</u> 04/13/2021
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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	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
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	04/14/2021 06:47	04/14/2021 18:35	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
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	04/14/2021 06:47	04/14/2021 18:35	KHA
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	04/14/2021 06:47	04/14/2021 18:35	KHA
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	04/14/2021 06:47	04/14/2021 18:35	KHA
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	04/14/2021 06:47	04/14/2021 18:35	KHA
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 18:35	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
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	04/14/2021 06:47	04/14/2021 18:35	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
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	04/14/2021 06:47	04/14/2021 18:35	KHA
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	04/14/2021 06:47	04/14/2021 18:35	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA



Sample Information

Client Sample ID: 074_LSB-25A

York Sample ID: 21D0604-12

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:20 pm	<u>Date Received</u> 04/13/2021
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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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.041	0.081	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 18:35	KHA
78-93-3	2-Butanone	0.0056	CCV-E	mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
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	04/14/2021 06:47	04/14/2021 18:35	KHA
67-64-1	Acetone	0.038	CCV-E	mg/kg dry	0.0041	0.0081	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0041	0.0081	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
108-86-1	Bromobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
75-15-0	Carbon disulfide	0.0021	J	mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
67-66-3	Chloroform	0.0024	J	mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA



Sample Information

Client Sample ID: 074_LSB-25A

York Sample ID: 21D0604-12

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:20 pm	<u>Date Received</u> 04/13/2021
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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
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	04/14/2021 06:47	04/14/2021 18:35	KHA
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	04/14/2021 06:47	04/14/2021 18:35	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
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	04/14/2021 06:47	04/14/2021 18:35	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	0.0041	0.0081	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0041	0.0081	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA



Sample Information

Client Sample ID: 074_LSB-25A

York Sample ID: 21D0604-12

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:20 pm	<u>Date Received</u> 04/13/2021
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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
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
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	04/14/2021 06:47	04/14/2021 18:35	KHA
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	04/14/2021 06:47	04/14/2021 18:35	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 18:35	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0061	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 18:35	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	109 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %			76-130						

Semivolatiles, 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	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0914	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0914	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD



Sample Information

Client Sample ID: 074_LSB-25A

York Sample ID: 21D0604-12

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:20 pm	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0914	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
91-57-6	2-Methylnaphthalene	0.115		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0914	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0914	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0914	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0914	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD



Sample Information

Client Sample ID: 074_LSB-25A

York Sample ID: 21D0604-12

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:20 pm	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0914	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
83-32-9	Acenaphthene	0.180		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
208-96-8	Acenaphthylene	0.0782	J	mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
62-53-3	Aniline	ND		mg/kg dry	0.183	0.366	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
120-12-7	Anthracene	0.277		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
92-87-5	Benzidine	ND		mg/kg dry	0.183	0.366	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
56-55-3	Benzo(a)anthracene	0.573		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
50-32-8	Benzo(a)pyrene	0.589		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
205-99-2	Benzo(b)fluoranthene	0.500		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
191-24-2	Benzo(g,h,i)perylene	0.417		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
207-08-9	Benzo(k)fluoranthene	0.456		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0914	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD



Sample Information

Client Sample ID: 074_LSB-25A

York Sample ID: 21D0604-12

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:20 pm	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
86-74-8	Carbazole	0.0504	J	mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
218-01-9	Chrysene	0.594		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
53-70-3	Dibenzo(a,h)anthracene	0.156		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
132-64-9	Dibenzofuran	0.0534	J	mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
206-44-0	Fluoranthene	1.02	CCV-E	mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
86-73-7	Fluorene	0.229		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
193-39-5	Indeno(1,2,3-cd)pyrene	0.464		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
91-20-3	Naphthalene	0.177		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD



Sample Information

Client Sample ID: 074_LSB-25A

York Sample ID: 21D0604-12

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:20 pm	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
85-01-8	Phenanthrene	0.925		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
108-95-2	Phenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
129-00-0	Pyrene	1.19	CCV-E	mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
110-86-1	Pyridine	ND		mg/kg dry	0.183	0.366	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:06	CD
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	45.0 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	39.4 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	58.5 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	56.0 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	115 %	S-08		19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	64.1 %			24-116						

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	9.35	1	EPA 8270D SIM Certifications: NELAC-NY10854	04/16/2021 07:32	04/16/2021 19:58	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	0.539	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:24	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.539	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:24	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.539	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:24	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.539	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:24	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.539	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:24	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.539	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:24	WL



Sample Information

Client Sample ID: 074_LSB-25A

York Sample ID: 21D0604-12

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:20 pm	<u>Date Received</u> 04/13/2021
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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
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.539	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:24	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.539	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:24	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.539	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:24	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.539	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:24	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.539	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:24	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.539	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:24	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.539	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:24	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.539	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:24	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.539	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:24	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.539	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:24	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.539	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:24	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.539	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:24	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.539	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:24	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.539	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:24	WL
375-22-4	* Perfluoro-n-butyric acid (PFBA)	ND		ug/kg dry	0.539	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:24	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	91.6 %	25-150
Surrogate: M5PFHxA	97.9 %	25-150
Surrogate: M4PFHpA	92.0 %	25-150
Surrogate: M3PFHxS	92.5 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid	104 %	25-150
Surrogate: M6PFDA	83.6 %	25-150
Surrogate: M7PFUdA	66.9 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	66.4 %	25-150
Surrogate: M2PFTeDA	58.1 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid	90.2 %	25-150



Sample Information

Client Sample ID: 074_LSB-25A

York Sample ID: 21D0604-12

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:20 pm	<u>Date Received</u> 04/13/2021
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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
	Surrogate: Perfluoro-1-[13C8]octanesulfor	84.5 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	90.4 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	51.4 %			10-150					
	Surrogate: d3-N-MeFOSAA	86.8 %			25-150					
	Surrogate: d5-N-EtFOSAA	116 %			25-150					
	Surrogate: M2-6:2 FTS	120 %			25-150					
	Surrogate: M2-8:2 FTS	119 %			25-150					
	Surrogate: M9PFNA	100 %			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	0.00622		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:34	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:34	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:34	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:34	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:34	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/15/2021 13:47	04/19/2021 14:34	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:34	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:34	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:34	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:34	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/15/2021 13:47	04/19/2021 14:34	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:34	CM
72-20-8	Endrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:34	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:34	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:34	CM



Sample Information

Client Sample ID: 074_LSB-25A

York Sample ID: 21D0604-12

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 21D0604, 100688801, Soil, April 13, 2021 2:20 pm, 04/13/2021

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

Main table for Pesticides with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for gamma-BHC, gamma-Chlordane, Heptachlor, Heptachlor epoxide, Methoxychlor, Toxaphene, and Surrogate Recoveries.

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

Main table for PCBs with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Aroclor 1016, 1221, 1232, 1242, 1248, 1254, Aroclor 1260, * Total PCBs, and Surrogate Recoveries.

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 074_LSB-25A

York Sample ID: 21D0604-12

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0604	100688801	Soil	April 13, 2021 2:20 pm	04/13/2021

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	04/19/2021 08:06	04/19/2021 18:49	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0223	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/19/2021 08:06	04/19/2021 18:49	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0223	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/19/2021 08:06	04/19/2021 18:49	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	69.4 %	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
7429-90-5	Aluminum	7960		mg/kg dry	5.63	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:46	WJM
7440-36-0	Antimony	8.14		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:46	WJM
7440-38-2	Arsenic	15.7		mg/kg dry	1.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:46	WJM
7440-39-3	Barium	563		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:46	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:46	WJM
7440-43-9	Cadmium	2.28		mg/kg dry	0.338	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:46	WJM
7440-70-2	Calcium	16000		mg/kg dry	5.63	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:46	WJM
7440-47-3	Chromium	50.7		mg/kg dry	0.563	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:46	WJM
7440-48-4	Cobalt	11.6		mg/kg dry	0.450	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:46	WJM
7440-50-8	Copper	687		mg/kg dry	2.25	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:46	WJM
7439-89-6	Iron	67500		mg/kg dry	28.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:46	WJM
7439-92-1	Lead	3820		mg/kg dry	0.563	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:46	WJM
7439-95-4	Magnesium	3390		mg/kg dry	5.63	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:46	WJM
7439-96-5	Manganese	480		mg/kg dry	0.563	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:46	WJM
7440-02-0	Nickel	43.0		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:46	WJM



Sample Information

Client Sample ID: 074_LSB-25A

York Sample ID: 21D0604-12

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:20 pm	<u>Date Received</u> 04/13/2021
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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
7440-09-7	Potassium	1210	B	mg/kg dry	5.63	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:46	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:46	WJM
7440-22-4	Silver	0.692		mg/kg dry	0.563	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:46	WJM
7440-23-5	Sodium	1380		mg/kg dry	56.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:46	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:46	WJM
7440-62-2	Vanadium	26.7		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:46	WJM
7440-66-6	Zinc	632		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:46	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	0.256		mg/kg dry	0.0338	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/14/2021 13:49	04/14/2021 19:48	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	0.563	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	04/15/2021 07:58	04/15/2021 13:08	OT

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	0.563	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/22/2021 14:10	04/22/2021 22:01	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	88.8		%	0.100	1	SM 2540G Certifications: CTDOH	04/15/2021 14:31	04/16/2021 09:38	OT



Sample Information

Client Sample ID: 074_LSB-25A

York Sample ID: 21D0604-12

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0604	100688801	Soil	April 13, 2021 2:20 pm	04/13/2021



Sample Information

Client Sample ID: 075_LSB-25B

York Sample ID: 21D0604-13

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:50 pm	<u>Date Received</u> 04/13/2021
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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	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	KHA
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	KHA
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	KHA



Sample Information

Client Sample ID: 075_LSB-25B

York Sample ID: 21D0604-13

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:50 pm	<u>Date Received</u> 04/13/2021
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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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.044	0.087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	KHA
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 19:01	KHA
78-93-3	2-Butanone	0.0065	CCV-E	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	KHA
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	KHA
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	KHA
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	KHA
67-64-1	Acetone	0.036	CCV-E	mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	KHA
108-86-1	Bromobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	KHA
67-66-3	Chloroform	0.0025	J	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	KHA



Sample Information

Client Sample ID: 075_LSB-25B

York Sample ID: 21D0604-13

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:50 pm	<u>Date Received</u> 04/13/2021
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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
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	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	KHA
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/14/2021 06:47	04/14/2021 19:01	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	KHA



Sample Information

Client Sample ID: 075_LSB-25B

York Sample ID: 21D0604-13

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:50 pm	<u>Date Received</u> 04/13/2021
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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
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	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	04/14/2021 06:47	04/14/2021 19:01	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:01	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 19:01	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	108 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.9 %			76-130						

Semivolatiles, 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	0.0451	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	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	04/16/2021 07:30	04/19/2021 21:37	CD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 21:37	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	04/16/2021 07:30	04/19/2021 21:37	CD



Sample Information

Client Sample ID: 075_LSB-25B

York Sample ID: 21D0604-13

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:50 pm	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0901	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0901	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0901	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	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	04/16/2021 07:30	04/19/2021 21:37	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0901	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD



Sample Information

Client Sample ID: 075_LSB-25B

York Sample ID: 21D0604-13

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:50 pm	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0901	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
83-32-9	Acenaphthene	0.0727	J	mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
208-96-8	Acenaphthylene	0.0533	J	mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
62-53-3	Aniline	ND		mg/kg dry	0.180	0.361	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
120-12-7	Anthracene	0.281		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
92-87-5	Benzidine	ND		mg/kg dry	0.180	0.361	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
56-55-3	Benzo(a)anthracene	0.775		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
50-32-8	Benzo(a)pyrene	0.675		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
205-99-2	Benzo(b)fluoranthene	0.560		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
191-24-2	Benzo(g,h,i)perylene	0.365		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
207-08-9	Benzo(k)fluoranthene	0.523		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0901	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD



Sample Information

Client Sample ID: 075_LSB-25B

York Sample ID: 21D0604-13

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:50 pm	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
86-74-8	Carbazole	0.0583	J	mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
218-01-9	Chrysene	0.794		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
53-70-3	Dibenzo(a,h)anthracene	0.152		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
206-44-0	Fluoranthene	1.23	CCV-E	mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
86-73-7	Fluorene	0.0972		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
193-39-5	Indeno(1,2,3-cd)pyrene	0.415		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
91-20-3	Naphthalene	0.0583	J	mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD



Sample Information

Client Sample ID: 075_LSB-25B

York Sample ID: 21D0604-13

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:50 pm	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
85-01-8	Phenanthrene	1.10		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
108-95-2	Phenol	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
129-00-0	Pyrene	1.28	CCV-E	mg/kg dry	0.0451	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
110-86-1	Pyridine	ND		mg/kg dry	0.180	0.361	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 21:37	CD
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	61.2 %		20-108							
4165-62-2	Surrogate: SURR: Phenol-d5	50.3 %		23-114							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	56.0 %		22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	87.9 %		21-113							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	128 %	S-08	19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	76.7 %		24-116							

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	9.35	1	EPA 8270D SIM Certifications: NELAC-NY10854	04/16/2021 07:32	04/16/2021 20:16	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	0.532	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:46	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.532	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:46	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.532	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:46	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.532	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:46	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.532	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:46	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.532	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:46	WL



Sample Information

Client Sample ID: 075_LSB-25B

York Sample ID: 21D0604-13

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:50 pm	<u>Date Received</u> 04/13/2021
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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
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.532	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:46	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.532	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:46	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.532	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:46	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.532	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:46	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.532	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:46	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.532	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:46	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.532	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:46	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.532	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:46	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.532	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:46	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.532	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:46	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.532	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:46	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.532	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:46	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.532	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:46	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.532	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:46	WL
375-22-4	* Perfluoro-n-butyric acid (PFBA)	ND		ug/kg dry	0.532	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 00:46	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	85.6 %	25-150
Surrogate: M5PFHxA	90.2 %	25-150
Surrogate: M4PFHpA	83.2 %	25-150
Surrogate: M3PFHxS	92.5 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid	102 %	25-150
Surrogate: M6PFDA	98.0 %	25-150
Surrogate: M7PFUdA	83.8 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	71.4 %	25-150
Surrogate: M2PFTeDA	62.0 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid	86.3 %	25-150



Sample Information

Client Sample ID: 075_LSB-25B

York Sample ID: 21D0604-13

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:50 pm	<u>Date Received</u> 04/13/2021
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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
	Surrogate: Perfluoro-1-[13C8]octanesulfor	90.0 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	86.7 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	59.6 %			10-150					
	Surrogate: d3-N-MeFOSAA	117 %			25-150					
	Surrogate: d5-N-EtFOSAA	124 %			25-150					
	Surrogate: M2-6:2 FTS	172 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	230 %	PFSu-H		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	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:51	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:51	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:51	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:51	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:51	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/15/2021 13:47	04/19/2021 14:51	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:51	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:51	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:51	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:51	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/15/2021 13:47	04/19/2021 14:51	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:51	CM
72-20-8	Endrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:51	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:51	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:51	CM



Sample Information

Client Sample ID: 075_LSB-25B

York Sample ID: 21D0604-13

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:50 pm	<u>Date Received</u> 04/13/2021
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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
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:51	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/15/2021 13:47	04/19/2021 14:51	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:51	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:51	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:51	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 14:51	CM
	Surrogate Recoveries	Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	84.7 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	47.1 %					30-150			

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 15:48	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 15:48	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 15:48	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 15:48	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 15:48	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 15:48	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 15:48	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications:	04/15/2021 13:47	04/19/2021 15:48	BJ
	Surrogate Recoveries	Result					Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	93.5 %					30-120			
2051-24-3	Surrogate: Decachlorobiphenyl	74.5 %					30-120			

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 075_LSB-25B

York Sample ID: 21D0604-13

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:50 pm	<u>Date Received</u> 04/13/2021
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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	04/19/2021 08:06	04/19/2021 19:00	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0220	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/19/2021 08:06	04/19/2021 19:00	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0220	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/19/2021 08:06	04/19/2021 19:00	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (77.0 %		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
7429-90-5	Aluminum	5400		mg/kg dry	5.56	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:49	WJM
7440-36-0	Antimony	6.18		mg/kg dry	2.78	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:49	WJM
7440-38-2	Arsenic	4.05		mg/kg dry	1.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:49	WJM
7440-39-3	Barium	545		mg/kg dry	2.78	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:49	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:49	WJM
7440-43-9	Cadmium	2.08		mg/kg dry	0.334	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:49	WJM
7440-70-2	Calcium	11100		mg/kg dry	5.56	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:49	WJM
7440-47-3	Chromium	236		mg/kg dry	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:49	WJM
7440-48-4	Cobalt	7.54		mg/kg dry	0.445	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:49	WJM
7440-50-8	Copper	447		mg/kg dry	2.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:49	WJM
7439-89-6	Iron	28900		mg/kg dry	27.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:49	WJM
7439-92-1	Lead	823		mg/kg dry	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:49	WJM
7439-95-4	Magnesium	4100		mg/kg dry	5.56	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:49	WJM
7439-96-5	Manganese	236		mg/kg dry	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:49	WJM
7440-02-0	Nickel	43.8		mg/kg dry	1.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:49	WJM



Sample Information

Client Sample ID: 075_LSB-25B

York Sample ID: 21D0604-13

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:50 pm	<u>Date Received</u> 04/13/2021
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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
7440-09-7	Potassium	626	B	mg/kg dry	5.56	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:49	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.78	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:49	WJM
7440-22-4	Silver	7.96		mg/kg dry	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:49	WJM
7440-23-5	Sodium	166		mg/kg dry	55.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:49	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.78	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:49	WJM
7440-62-2	Vanadium	30.0		mg/kg dry	1.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:49	WJM
7440-66-6	Zinc	839		mg/kg dry	2.78	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:49	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	0.640		mg/kg dry	0.0334	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/14/2021 13:49	04/14/2021 19:57	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	0.556	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	04/15/2021 07:58	04/15/2021 13:08	OT

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	0.556	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/22/2021 14:10	04/22/2021 22:01	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	89.9		%	0.100	1	SM 2540G Certifications: CTDOH	04/15/2021 14:31	04/16/2021 09:38	OT



Sample Information

Client Sample ID: 075_LSB-25B

York Sample ID: 21D0604-13

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0604	100688801	Soil	April 13, 2021 2:50 pm	04/13/2021



Sample Information

Client Sample ID: 076_LSB-25C

York Sample ID: 21D0604-14

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:55 pm	<u>Date Received</u> 04/13/2021
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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	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 19:27	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 19:27	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA



Sample Information

Client Sample ID: 076_LSB-25C

York Sample ID: 21D0604-14

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:55 pm	<u>Date Received</u> 04/13/2021
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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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.066	0.13	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 19:27	KHA
78-93-3	2-Butanone	0.033	CCV-E	mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
591-78-6	2-Hexanone	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
67-64-1	Acetone	0.11	CCV-E	mg/kg dry	0.0066	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0066	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
108-86-1	Bromobenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
67-66-3	Chloroform	0.0037	J	mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA



Sample Information

Client Sample ID: 076_LSB-25C

York Sample ID: 21D0604-14

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:55 pm	<u>Date Received</u> 04/13/2021
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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
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	0.0066	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0066	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA



Sample Information

Client Sample ID: 076_LSB-25C

York Sample ID: 21D0604-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0604

100688801

Soil

April 13, 2021 2:55 pm

04/13/2021

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
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 19:27	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0098	0.020	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 19:27	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	97.6 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	108 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %			76-130						

Semivolatiles, 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	04/16/2021 07:30	04/19/2021 22:09	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	04/16/2021 07:30	04/19/2021 22:09	CD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 22:09	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	04/16/2021 07:30	04/19/2021 22:09	CD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 22:09	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	04/16/2021 07:30	04/19/2021 22:09	CD



Sample Information

Client Sample ID: 076_LSB-25C

York Sample ID: 21D0604-14

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:55 pm	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	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	04/16/2021 07:30	04/19/2021 22:09	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	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	04/16/2021 07:30	04/19/2021 22:09	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	04/16/2021 07:30	04/19/2021 22:09	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	04/16/2021 07:30	04/19/2021 22:09	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	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	04/16/2021 07:30	04/19/2021 22:09	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD



Sample Information

Client Sample ID: 076_LSB-25C

York Sample ID: 21D0604-14

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:55 pm	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
83-32-9	Acenaphthene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
62-53-3	Aniline	ND		mg/kg dry	0.201	0.402	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
120-12-7	Anthracene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
92-87-5	Benzidine	ND		mg/kg dry	0.201	0.402	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	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	04/16/2021 07:30	04/19/2021 22:09	CD
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	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	04/16/2021 07:30	04/19/2021 22:09	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	04/16/2021 07:30	04/19/2021 22:09	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	04/16/2021 07:30	04/19/2021 22:09	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	04/16/2021 07:30	04/19/2021 22:09	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD



Sample Information

Client Sample ID: 076_LSB-25C

York Sample ID: 21D0604-14

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:55 pm	<u>Date Received</u> 04/13/2021
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Semivolatiles, 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
86-74-8	Carbazole	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
218-01-9	Chrysene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	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	04/16/2021 07:30	04/19/2021 22:09	CD
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	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	04/16/2021 07:30	04/19/2021 22:09	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	04/16/2021 07:30	04/19/2021 22:09	CD
206-44-0	Fluoranthene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
86-73-7	Fluorene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	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	04/16/2021 07:30	04/19/2021 22:09	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
91-20-3	Naphthalene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	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	04/16/2021 07:30	04/19/2021 22:09	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD



Sample Information

Client Sample ID: 076_LSB-25C

York Sample ID: 21D0604-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0604

100688801

Soil

April 13, 2021 2:55 pm

04/13/2021

Semivolatiles, 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
85-01-8	Phenanthrene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
108-95-2	Phenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
129-00-0	Pyrene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
110-86-1	Pyridine	ND		mg/kg dry	0.201	0.402	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:30	04/19/2021 22:09	CD
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	40.5 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	37.7 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	49.7 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	49.0 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	108 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	46.6 %			24-116						

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	04/16/2021 07:32	04/16/2021 20:33	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	0.581	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 01:08	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.581	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 01:08	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.581	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 01:08	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.581	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 01:08	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.581	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 01:08	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.581	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 01:08	WL



Sample Information

Client Sample ID: 076_LSB-25C

York Sample ID: 21D0604-14

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:55 pm	<u>Date Received</u> 04/13/2021
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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
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.581	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 01:08	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.581	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 01:08	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.581	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 01:08	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.581	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 01:08	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.581	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 01:08	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.581	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 01:08	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.581	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 01:08	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.581	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 01:08	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.581	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 01:08	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.581	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 01:08	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.581	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 01:08	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.581	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 01:08	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.581	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 01:08	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.581	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 01:08	WL
375-22-4	* Perfluoro-n-butyric acid (PFBA)	ND		ug/kg dry	0.581	1	EPA 537m Certifications:	04/14/2021 16:30	04/17/2021 01:08	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	104 %	25-150
Surrogate: M5PFHxA	104 %	25-150
Surrogate: M4PFHpA	106 %	25-150
Surrogate: M3PFHxS	108 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid	109 %	25-150
Surrogate: M6PFDA	98.3 %	25-150
Surrogate: M7PFUdA	80.7 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	74.1 %	25-150
Surrogate: M2PFTeDA	81.8 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid	99.5 %	25-150



Sample Information

Client Sample ID: 076_LSB-25C

York Sample ID: 21D0604-14

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:55 pm	<u>Date Received</u> 04/13/2021
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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
	Surrogate: Perfluoro-1-[13C8]octanesulfor	102 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	102 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	62.8 %			10-150					
	Surrogate: d3-N-MeFOSAA	76.2 %			25-150					
	Surrogate: d5-N-EtFOSAA	121 %			25-150					
	Surrogate: M2-6:2 FTS	82.7 %			25-150					
	Surrogate: M2-8:2 FTS	87.1 %			25-150					
	Surrogate: M9PFNA	110 %			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	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:15	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:15	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:15	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:15	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:15	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/15/2021 13:47	04/19/2021 16:15	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:15	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:15	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:15	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:15	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/15/2021 13:47	04/19/2021 16:15	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:15	CM
72-20-8	Endrin	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:15	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:15	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:15	CM



Sample Information

Client Sample ID: 076_LSB-25C

York Sample ID: 21D0604-14

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:55 pm	<u>Date Received</u> 04/13/2021
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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
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:15	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/15/2021 13:47	04/19/2021 16:15	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:15	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:15	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:15	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:15	CM
	Surrogate Recoveries	Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	81.9 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	63.2 %					30-150			

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0200	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 19:24	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0200	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 19:24	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0200	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 19:24	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0200	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 19:24	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0200	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 19:24	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0200	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 19:24	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0200	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 19:24	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0200	1	EPA 8082A Certifications:	04/15/2021 13:47	04/16/2021 19:24	BJ
	Surrogate Recoveries	Result					Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	83.0 %					30-120			
2051-24-3	Surrogate: Decachlorobiphenyl	54.5 %					30-120			

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 076_LSB-25C

York Sample ID: 21D0604-14

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:55 pm	<u>Date Received</u> 04/13/2021
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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	0.0238	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/19/2021 08:06	04/19/2021 19:10	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0238	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/19/2021 08:06	04/19/2021 19:10	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0238	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/19/2021 08:06	04/19/2021 19:10	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	87.4 %	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
7429-90-5	Aluminum	3830		mg/kg dry	6.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:52	WJM
7440-36-0	Antimony	ND		mg/kg dry	3.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:52	WJM
7440-38-2	Arsenic	5.02		mg/kg dry	1.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:52	WJM
7440-39-3	Barium	265		mg/kg dry	3.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:52	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.061	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:52	WJM
7440-43-9	Cadmium	0.376		mg/kg dry	0.365	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:52	WJM
7440-70-2	Calcium	3180		mg/kg dry	6.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:52	WJM
7440-47-3	Chromium	17.5		mg/kg dry	0.609	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:52	WJM
7440-48-4	Cobalt	4.87		mg/kg dry	0.487	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:52	WJM
7440-50-8	Copper	133		mg/kg dry	2.43	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:52	WJM
7439-89-6	Iron	9010		mg/kg dry	30.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:52	WJM
7439-92-1	Lead	142		mg/kg dry	0.609	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:52	WJM
7439-95-4	Magnesium	460		mg/kg dry	6.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:52	WJM
7439-96-5	Manganese	74.5		mg/kg dry	0.609	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:52	WJM
7440-02-0	Nickel	17.7		mg/kg dry	1.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:52	WJM



Sample Information

Client Sample ID: 076_LSB-25C

York Sample ID: 21D0604-14

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 13, 2021 2:55 pm	<u>Date Received</u> 04/13/2021
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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
7440-09-7	Potassium	418	B	mg/kg dry	6.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:52	WJM
7782-49-2	Selenium	ND		mg/kg dry	3.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:52	WJM
7440-22-4	Silver	ND		mg/kg dry	0.609	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:52	WJM
7440-23-5	Sodium	382		mg/kg dry	60.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:52	WJM
7440-28-0	Thallium	ND		mg/kg dry	3.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:52	WJM
7440-62-2	Vanadium	15.9		mg/kg dry	1.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:52	WJM
7440-66-6	Zinc	169		mg/kg dry	3.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/14/2021 15:20	04/19/2021 12:52	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	0.109		mg/kg dry	0.0365	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/14/2021 13:49	04/14/2021 20:06	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	0.609	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	04/15/2021 07:58	04/15/2021 13:08	OT

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	0.609	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/22/2021 14:10	04/22/2021 22:01	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	82.2		%	0.100	1	SM 2540G Certifications: CTDOH	04/15/2021 14:31	04/16/2021 09:38	OT



Sample Information

Client Sample ID: 076_LSB-25C

York Sample ID: 21D0604-14

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0604	100688801	Soil	April 13, 2021 2:55 pm	04/13/2021



Sample Information

Client Sample ID: 077_FB-3

York Sample ID: 21D0604-15

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 13, 2021 4:00 pm	<u>Date Received</u> 04/13/2021
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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	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	04/19/2021 07:56	04/19/2021 14:07	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	72.0 %	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	2.03	1	EPA 537m Certifications:	04/14/2021 10:00	04/15/2021 19:41	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/14/2021 10:00	04/15/2021 19:41	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/14/2021 10:00	04/15/2021 19:41	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/14/2021 10:00	04/15/2021 19:41	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/14/2021 10:00	04/15/2021 19:41	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/14/2021 10:00	04/15/2021 19:41	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/14/2021 10:00	04/15/2021 19:41	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/14/2021 10:00	04/15/2021 19:41	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/14/2021 10:00	04/15/2021 19:41	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/14/2021 10:00	04/15/2021 19:41	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/14/2021 10:00	04/15/2021 19:41	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/14/2021 10:00	04/15/2021 19:41	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	2.03	1	EPA 537m Certifications:	04/14/2021 10:00	04/15/2021 19:41	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	2.03	1	EPA 537m Certifications:	04/14/2021 10:00	04/15/2021 19:41	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/14/2021 10:00	04/15/2021 19:41	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/14/2021 10:00	04/15/2021 19:41	WL



Sample Information

Client Sample ID: 077_FB-3

York Sample ID: 21D0604-15

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 13, 2021 4:00 pm	<u>Date Received</u> 04/13/2021
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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	2.03	1	EPA 537m Certifications:	04/14/2021 10:00	04/15/2021 19:41	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/14/2021 10:00	04/15/2021 19:41	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.08	1	EPA 537m Certifications:	04/14/2021 10:00	04/15/2021 19:41	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/14/2021 10:00	04/15/2021 19:41	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/14/2021 10:00	04/15/2021 19:41	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	115 %	25-150
Surrogate: M5PFHxA	113 %	25-150
Surrogate: M4PFHpA	109 %	25-150
Surrogate: M3PFHxS	112 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	118 %	25-150
Surrogate: M6PFDA	99.9 %	25-150
Surrogate: M7PFUdA	102 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	86.9 %	25-150
Surrogate: M2PFTeDA	55.2 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	114 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	118 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	113 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	35.1 %	10-150
Surrogate: d3-N-MeFOSAA	68.1 %	25-150
Surrogate: d5-N-EtFOSAA	68.7 %	25-150
Surrogate: M2-6:2 FTS	98.8 %	25-150
Surrogate: M2-8:2 FTS	95.5 %	25-150
Surrogate: M9PFNA	115 %	25-150



Sample Information

Client Sample ID: 078_TB-7

York Sample ID: 21D0604-16

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 13, 2021 5:00 pm	<u>Date Received</u> 04/13/2021
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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	04/14/2021 06:47	04/14/2021 12:26	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	04/14/2021 06:47	04/14/2021 12:26	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	04/14/2021 06:47	04/14/2021 12:26	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	04/14/2021 06:47	04/14/2021 12:26	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	04/14/2021 06:47	04/14/2021 12:26	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	04/14/2021 06:47	04/14/2021 12:26	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	04/14/2021 06:47	04/14/2021 12:26	MD
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 12:26	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	04/14/2021 06:47	04/14/2021 12:26	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	04/14/2021 06:47	04/14/2021 12:26	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	04/14/2021 06:47	04/14/2021 12:26	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	04/14/2021 06:47	04/14/2021 12:26	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	04/14/2021 06:47	04/14/2021 12:26	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	04/14/2021 06:47	04/14/2021 12:26	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	04/14/2021 06:47	04/14/2021 12:26	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	04/14/2021 06:47	04/14/2021 12:26	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	04/14/2021 06:47	04/14/2021 12:26	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	04/14/2021 06:47	04/14/2021 12:26	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	04/14/2021 06:47	04/14/2021 12:26	MD
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	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	04/14/2021 06:47	04/14/2021 12:26	MD



Sample Information

Client Sample ID: 078_TB-7

York Sample ID: 21D0604-16

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 13, 2021 5:00 pm	<u>Date Received</u> 04/13/2021
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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
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	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	04/14/2021 06:47	04/14/2021 12:26	MD
67-64-1	Acetone	1.35		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD



Sample Information

Client Sample ID: 078_TB-7

York Sample ID: 21D0604-16

<u>York Project (SDG) No.</u> 21D0604	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 13, 2021 5:00 pm	<u>Date Received</u> 04/13/2021
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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
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	04/14/2021 06:47	04/14/2021 12:26	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	04/14/2021 06:47	04/14/2021 12:26	MD
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	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	04/14/2021 06:47	04/14/2021 12:26	MD
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	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	04/14/2021 06:47	04/14/2021 12:26	MD
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
75-65-0	tert-Butyl alcohol (TBA)	1.02		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD



Sample Information

Client Sample ID: 078_TB-7

York Sample ID: 21D0604-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0604

100688801

Water

April 13, 2021 5:00 pm

04/13/2021

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
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	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	04/14/2021 06:47	04/14/2021 12:26	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	04/14/2021 06:47	04/14/2021 12:26	MD
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 06:47	04/14/2021 12:26	MD
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 06:47	04/14/2021 12:26	MD
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	93.8 %	70-130								
2037-26-5	Surrogate: SURR: Toluene-d8	100 %	70-130								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.3 %	70-130								



Analytical Batch Summary

Batch ID: BD10719 **Preparation Method:** EPA SW846-3060 **Prepared By:** ALH

YORK Sample ID	Client Sample ID	Preparation Date
21D0604-01	063_LSB-22A	04/14/21
21D0604-02	064_LSB-22B	04/14/21
21D0604-03	065_LSB-22C	04/14/21
BD10719-BLK1	Blank	04/14/21
BD10719-DUP1	Duplicate	04/14/21
BD10719-MS1	Matrix Spike	04/14/21
BD10719-MS2	Matrix Spike	04/14/21
BD10719-SRM1	Reference	04/14/21

Batch ID: BD10734 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WL

YORK Sample ID	Client Sample ID	Preparation Date
21D0604-15	077_FB-3	04/14/21
BD10734-BLK1	Blank	04/14/21
BD10734-BS1	LCS	04/14/21
BD10734-BSD1	LCS Dup	04/14/21

Batch ID: BD10742 **Preparation Method:** EPA 5030B **Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
21D0604-16	078_TB-7	04/14/21
BD10742-BLK1	Blank	04/14/21
BD10742-BS1	LCS	04/14/21
BD10742-BSD1	LCS Dup	04/14/21

Batch ID: BD10743 **Preparation Method:** EPA 5035A **Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
21D0604-01	063_LSB-22A	04/14/21
21D0604-02	064_LSB-22B	04/14/21
21D0604-03	065_LSB-22C	04/14/21
21D0604-04	066_LSB-21A	04/14/21
21D0604-05	067_LSB-21B	04/14/21
21D0604-06	068_LSB-21C	04/14/21
21D0604-07	069_LSB-23A	04/14/21
21D0604-08	070_LSB-23B	04/14/21
21D0604-09	071_LSB-23C	04/14/21
21D0604-11	073_LSB-26B	04/14/21
21D0604-12	074_LSB-25A	04/14/21
21D0604-13	075_LSB-25B	04/14/21
21D0604-14	076_LSB-25C	04/14/21
BD10743-BLK1	Blank	04/14/21
BD10743-BLK2	Blank	04/14/21
BD10743-BLK3	Blank	04/14/21



BD10743-BS1 LCS 04/14/21
 BD10743-BSD1 LCS Dup 04/14/21

Batch ID: BD10759 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21D0604-01	063_LSB-22A	04/14/21
21D0604-02	064_LSB-22B	04/14/21
21D0604-03	065_LSB-22C	04/14/21
21D0604-04	066_LSB-21A	04/14/21
21D0604-05	067_LSB-21B	04/14/21
21D0604-06	068_LSB-21C	04/14/21
21D0604-07	069_LSB-23A	04/14/21
21D0604-08	070_LSB-23B	04/14/21
21D0604-09	071_LSB-23C	04/14/21
21D0604-10	072_LSB-26A	04/14/21
21D0604-11	073_LSB-26B	04/14/21
21D0604-12	074_LSB-25A	04/14/21
21D0604-13	075_LSB-25B	04/14/21
21D0604-14	076_LSB-25C	04/14/21
BD10759-BLK1	Blank	04/14/21
BD10759-DUP1	Duplicate	04/14/21
BD10759-MS1	Matrix Spike	04/14/21
BD10759-SRM1	Reference	04/14/21

Batch ID: BD10772 **Preparation Method:** EPA 3050B **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21D0604-01	063_LSB-22A	04/14/21
21D0604-02	064_LSB-22B	04/14/21
21D0604-03	065_LSB-22C	04/14/21
21D0604-04	066_LSB-21A	04/14/21
21D0604-05	067_LSB-21B	04/14/21
21D0604-06	068_LSB-21C	04/14/21
21D0604-07	069_LSB-23A	04/14/21
21D0604-08	070_LSB-23B	04/14/21
21D0604-09	071_LSB-23C	04/14/21
21D0604-10	072_LSB-26A	04/14/21
21D0604-11	073_LSB-26B	04/14/21
21D0604-12	074_LSB-25A	04/14/21
21D0604-13	075_LSB-25B	04/14/21
21D0604-14	076_LSB-25C	04/14/21
BD10772-BLK1	Blank	04/14/21
BD10772-DUP1	Duplicate	04/14/21
BD10772-MS1	Matrix Spike	04/14/21
BD10772-PS1	Post Spike	04/14/21
BD10772-SRM1	Reference	04/14/21

Batch ID: BD10778 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** SG



YORK Sample ID	Client Sample ID	Preparation Date
21D0604-01	063_LSB-22A	04/14/21
21D0604-02	064_LSB-22B	04/14/21
21D0604-03	065_LSB-22C	04/14/21
21D0604-04	066_LSB-21A	04/14/21
21D0604-05	067_LSB-21B	04/14/21
21D0604-06	068_LSB-21C	04/14/21
21D0604-07	069_LSB-23A	04/14/21
21D0604-08	070_LSB-23B	04/14/21
21D0604-09	071_LSB-23C	04/14/21
21D0604-10	072_LSB-26A	04/14/21
21D0604-11	073_LSB-26B	04/14/21
21D0604-12	074_LSB-25A	04/14/21
21D0604-13	075_LSB-25B	04/14/21
21D0604-14	076_LSB-25C	04/14/21
BD10778-BLK1	Blank	04/14/21
BD10778-BS1	LCS	04/14/21
BD10778-MS1	Matrix Spike	04/14/21
BD10778-MSD1	Matrix Spike Dup	04/14/21

Batch ID: BD10789 **Preparation Method:** EPA 3550C/8151A **Prepared By:** S_K

YORK Sample ID	Client Sample ID	Preparation Date
21D0604-01	063_LSB-22A	04/15/21
21D0604-02	064_LSB-22B	04/15/21
21D0604-03	065_LSB-22C	04/15/21
21D0604-04	066_LSB-21A	04/15/21
21D0604-05	067_LSB-21B	04/15/21
21D0604-06	068_LSB-21C	04/15/21
21D0604-07	069_LSB-23A	04/15/21
21D0604-08	070_LSB-23B	04/15/21
21D0604-09	071_LSB-23C	04/15/21
21D0604-10	072_LSB-26A	04/15/21
21D0604-11	073_LSB-26B	04/15/21
BD10789-BLK1	Blank	04/15/21
BD10789-BS1	LCS	04/15/21
BD10789-MS1	Matrix Spike	04/15/21
BD10789-MSD1	Matrix Spike Dup	04/15/21

Batch ID: BD10794 **Preparation Method:** EPA SW846-3060 **Prepared By:** OT

YORK Sample ID	Client Sample ID	Preparation Date
21D0604-04	066_LSB-21A	04/15/21
21D0604-05	067_LSB-21B	04/15/21
21D0604-06	068_LSB-21C	04/15/21
21D0604-07	069_LSB-23A	04/15/21
21D0604-08	070_LSB-23B	04/15/21
21D0604-09	071_LSB-23C	04/15/21
21D0604-10	072_LSB-26A	04/15/21
21D0604-11	073_LSB-26B	04/15/21
21D0604-12	074_LSB-25A	04/15/21



21D0604-13	075_LSB-25B	04/15/21
21D0604-14	076_LSB-25C	04/15/21
BD10794-BLK1	Blank	04/15/21
BD10794-DUP1	Duplicate	04/15/21
BD10794-MS1	Matrix Spike	04/15/21
BD10794-MS2	Matrix Spike	04/15/21
BD10794-SRM1	Reference	04/15/21

Batch ID: BD10819 **Preparation Method:** EPA 5035A **Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
21D0604-10	072_LSB-26A	04/14/21
BD10819-BLK1	Blank	04/15/21
BD10819-BS1	LCS	04/15/21
BD10819-BSD1	LCS Dup	04/15/21

Batch ID: BD10856 **Preparation Method:** EPA 3550C **Prepared By:** MAM

YORK Sample ID	Client Sample ID	Preparation Date
21D0604-01	063_LSB-22A	04/15/21
21D0604-01	063_LSB-22A	04/15/21
21D0604-02	064_LSB-22B	04/15/21
21D0604-02	064_LSB-22B	04/15/21
21D0604-03	065_LSB-22C	04/15/21
21D0604-03	065_LSB-22C	04/15/21
21D0604-04	066_LSB-21A	04/15/21
21D0604-04	066_LSB-21A	04/15/21
21D0604-05	067_LSB-21B	04/15/21
21D0604-05	067_LSB-21B	04/15/21
21D0604-06	068_LSB-21C	04/15/21
21D0604-06	068_LSB-21C	04/15/21
21D0604-07	069_LSB-23A	04/15/21
21D0604-07	069_LSB-23A	04/15/21
21D0604-08	070_LSB-23B	04/15/21
21D0604-08	070_LSB-23B	04/15/21
21D0604-09	071_LSB-23C	04/15/21
21D0604-09	071_LSB-23C	04/15/21
21D0604-10	072_LSB-26A	04/15/21
21D0604-10	072_LSB-26A	04/15/21
21D0604-11	073_LSB-26B	04/15/21
21D0604-11	073_LSB-26B	04/15/21
21D0604-12	074_LSB-25A	04/15/21
21D0604-12	074_LSB-25A	04/15/21
21D0604-13	075_LSB-25B	04/15/21
21D0604-13	075_LSB-25B	04/15/21
21D0604-14	076_LSB-25C	04/15/21
21D0604-14	076_LSB-25C	04/15/21
BD10856-BLK1	Blank	04/15/21
BD10856-BLK2	Blank	04/15/21
BD10856-BS1	LCS	04/15/21
BD10856-BS2	LCS	04/15/21



BD10856-MS1	Matrix Spike	04/15/21
BD10856-MS2	Matrix Spike	04/15/21
BD10856-MSD1	Matrix Spike Dup	04/15/21
BD10856-MSD2	Matrix Spike Dup	04/15/21

Batch ID: BD10865 **Preparation Method:** % Solids Prep **Prepared By:** OT

YORK Sample ID	Client Sample ID	Preparation Date
21D0604-01	063_LSB-22A	04/15/21
BD10865-DUP1	Duplicate	04/15/21

Batch ID: BD10866 **Preparation Method:** % Solids Prep **Prepared By:** OT

YORK Sample ID	Client Sample ID	Preparation Date
21D0604-02	064_LSB-22B	04/15/21
21D0604-03	065_LSB-22C	04/15/21
21D0604-04	066_LSB-21A	04/15/21
21D0604-05	067_LSB-21B	04/15/21
21D0604-06	068_LSB-21C	04/15/21
21D0604-07	069_LSB-23A	04/15/21
21D0604-08	070_LSB-23B	04/15/21
21D0604-09	071_LSB-23C	04/15/21
21D0604-10	072_LSB-26A	04/15/21
21D0604-11	073_LSB-26B	04/15/21
21D0604-12	074_LSB-25A	04/15/21
21D0604-13	075_LSB-25B	04/15/21
21D0604-14	076_LSB-25C	04/15/21
BD10866-DUP1	Duplicate	04/15/21

Batch ID: BD10899 **Preparation Method:** EPA 3546 SVOA **Prepared By:** PD

YORK Sample ID	Client Sample ID	Preparation Date
21D0604-01	063_LSB-22A	04/16/21
21D0604-02	064_LSB-22B	04/16/21
21D0604-03	065_LSB-22C	04/16/21
21D0604-04	066_LSB-21A	04/16/21
21D0604-05	067_LSB-21B	04/16/21
21D0604-06	068_LSB-21C	04/16/21
21D0604-07	069_LSB-23A	04/16/21
21D0604-08	070_LSB-23B	04/16/21
21D0604-09	071_LSB-23C	04/16/21
21D0604-10	072_LSB-26A	04/16/21
21D0604-11	073_LSB-26B	04/16/21
21D0604-12	074_LSB-25A	04/16/21
21D0604-13	075_LSB-25B	04/16/21
21D0604-14	076_LSB-25C	04/16/21
BD10899-BLK1	Blank	04/16/21
BD10899-BS1	LCS	04/16/21
BD10899-MS1	Matrix Spike	04/16/21
BD10899-MSD1	Matrix Spike Dup	04/16/21



Batch ID: BD10900

Preparation Method: EPA 3550C

Prepared By: S_K

YORK Sample ID	Client Sample ID	Preparation Date
21D0604-01	063_LSB-22A	04/16/21
21D0604-02	064_LSB-22B	04/16/21
21D0604-03	065_LSB-22C	04/16/21
21D0604-04	066_LSB-21A	04/16/21
21D0604-05	067_LSB-21B	04/16/21
21D0604-06	068_LSB-21C	04/16/21
21D0604-07	069_LSB-23A	04/16/21
21D0604-08	070_LSB-23B	04/16/21
21D0604-09	071_LSB-23C	04/16/21
21D0604-10	072_LSB-26A	04/16/21
21D0604-11	073_LSB-26B	04/16/21
21D0604-12	074_LSB-25A	04/16/21
21D0604-13	075_LSB-25B	04/16/21
21D0604-14	076_LSB-25C	04/16/21
BD10900-BLK1	Blank	04/16/21
BD10900-BS1	LCS	04/16/21
BD10900-MS1	Matrix Spike	04/16/21
BD10900-MSD1	Matrix Spike Dup	04/16/21

Batch ID: BD10959

Preparation Method: EPA 3535A

Prepared By: SJB

YORK Sample ID	Client Sample ID	Preparation Date
21D0604-15	077_FB-3	04/19/21
BD10959-BLK1	Blank	04/19/21
BD10959-BS1	LCS	04/19/21
BD10959-MS1	Matrix Spike	04/19/21
BD10959-MSD1	Matrix Spike Dup	04/19/21

Batch ID: BD10964

Preparation Method: EPA 3550C/8151A

Prepared By: SJB

YORK Sample ID	Client Sample ID	Preparation Date
21D0604-12	074_LSB-25A	04/19/21
21D0604-13	075_LSB-25B	04/19/21
21D0604-14	076_LSB-25C	04/19/21
BD10964-BLK1	Blank	04/19/21
BD10964-BS1	LCS	04/19/21
BD10964-MS1	Matrix Spike	04/19/21
BD10964-MSD1	Matrix Spike Dup	04/19/21

Batch ID: BD11239

Preparation Method: Analysis Preparation Soil

Prepared By: MAO

YORK Sample ID	Client Sample ID	Preparation Date
21D0604-01	063_LSB-22A	04/22/21
21D0604-02	064_LSB-22B	04/22/21
21D0604-03	065_LSB-22C	04/22/21



21D0604-04	066_LSB-21A	04/22/21
21D0604-05	067_LSB-21B	04/22/21
21D0604-06	068_LSB-21C	04/22/21
21D0604-07	069_LSB-23A	04/22/21
21D0604-08	070_LSB-23B	04/22/21
21D0604-09	071_LSB-23C	04/22/21
21D0604-10	072_LSB-26A	04/22/21
21D0604-11	073_LSB-26B	04/22/21
21D0604-12	074_LSB-25A	04/22/21
21D0604-13	075_LSB-25B	04/22/21
21D0604-14	076_LSB-25C	04/22/21
BD11239-BLK1	Blank	04/22/21
BD11239-DUP1	Duplicate	04/22/21
BD11239-MS1	Matrix Spike	04/22/21
BD11239-SRM1	Reference	04/22/21



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
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Batch BD10742 - EPA 5030B

Blank (BD10742-BLK1)	Blank	Prepared & Analyzed: 04/14/2021									
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	"								
1,1-Dichloropropylene	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	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	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	"								
Bromobenzene	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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD10742 - EPA 5030B

Blank (BD10742-BLK1)	Blank	Prepared & Analyzed: 04/14/2021									
Hexachlorobutadiene	ND	0.500	ug/L								
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: SURR: 1,2-Dichloroethane-d4	9.30		"	10.0		93.0	70-130				
Surrogate: SURR: Toluene-d8	10.1		"	10.0		101	70-130				
Surrogate: SURR: p-Bromofluorobenzene	9.41		"	10.0		94.1	70-130				

LCS (BD10742-BS1)	LCS	Prepared & Analyzed: 04/14/2021									
1,1,1,2-Tetrachloroethane	9.09		ug/L	10.0		90.9	82-126				30
1,1,1-Trichloroethane	8.00		"	10.0		80.0	70-130				20
1,1,1,2-Tetrachloroethane	9.11		"	10.0		91.1	70-130				20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.66		"	10.0		86.6	70-130				20
1,1,2-Trichloroethane	8.57		"	10.0		85.7	70-130				20
1,1-Dichloroethane	8.38		"	10.0		83.8	70-130				20
1,1-Dichloroethylene	8.17		"	10.0		81.7	70-130				20
1,1-Dichloropropylene	8.07		"	10.0		80.7	83-133	Low Bias			30
1,2,3-Trichlorobenzene	9.35		"	10.0		93.5	70-130				20
1,2,3-Trichloropropane	9.12		"	10.0		91.2	77-128				30
1,2,4-Trichlorobenzene	10.2		"	10.0		102	70-130				20
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132				20
1,2-Dibromo-3-chloropropane	7.80		"	10.0		78.0	40-160				20
1,2-Dibromoethane	8.67		"	10.0		86.7	70-130				20
1,2-Dichlorobenzene	10.2		"	10.0		102	70-130				20
1,2-Dichloroethane	7.89		"	10.0		78.9	70-130				20
1,2-Dichloropropane	9.32		"	10.0		93.2	70-130				20
1,3,5-Trimethylbenzene	10.4		"	10.0		104	80-131				30
1,3-Dichlorobenzene	10.0		"	10.0		100	70-130				20
1,3-Dichloropropane	8.67		"	10.0		86.7	81-125				30
1,4-Dichlorobenzene	10.1		"	10.0		101	70-130				20
1,4-Dioxane	107		"	210		51.1	40-160				20
2,2-Dichloropropane	8.28		"	10.0		82.8	56-150				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 BD10742 - EPA 5030B											
LCS (BD10742-BS1)	LCS	Prepared & Analyzed: 04/14/2021									
2-Butanone	6.46		ug/L	10.0		64.6	40-160			20	
2-Chlorotoluene	9.76		"	10.0		97.6	79-130			30	
2-Hexanone	6.61		"	10.0		66.1	40-160			20	
4-Chlorotoluene	9.91		"	10.0		99.1	79-128			30	
4-Methyl-2-pentanone	6.76		"	10.0		67.6	40-160			20	
Acetone	8.01		"	10.0		80.1	40-160			20	
Acrolein	10.5		"	10.0		105	10-153			30	
Acrylonitrile	8.25		"	10.0		82.5	51-150			30	
Benzene	8.97		"	10.0		89.7	70-130			20	
Bromobenzene	9.58		"	10.0		95.8	78-129			30	
Bromochloromethane	8.34		"	10.0		83.4	70-130			20	
Bromodichloromethane	8.62		"	10.0		86.2	70-130			20	
Bromoform	8.48		"	10.0		84.8	70-130			20	
Bromomethane	6.26		"	10.0		62.6	40-160			20	
Carbon disulfide	9.44		"	10.0		94.4	40-160			20	
Carbon tetrachloride	7.67		"	10.0		76.7	70-130			20	
Chlorobenzene	9.44		"	10.0		94.4	70-130			20	
Chloroethane	8.69		"	10.0		86.9	40-160			20	
Chloroform	8.49		"	10.0		84.9	70-130			20	
Chloromethane	10.2		"	10.0		102	40-160			20	
cis-1,2-Dichloroethylene	8.56		"	10.0		85.6	70-130			20	
cis-1,3-Dichloropropylene	8.42		"	10.0		84.2	70-130			20	
Cyclohexane	5.95		"	10.0		59.5	70-130	Low Bias		20	
Dibromochloromethane	8.70		"	10.0		87.0	70-130			20	
Dibromomethane	8.62		"	10.0		86.2	72-134			30	
Dichlorodifluoromethane	11.4		"	10.0		114	40-160			20	
Ethyl Benzene	9.49		"	10.0		94.9	70-130			20	
Hexachlorobutadiene	10.6		"	10.0		106	67-146			30	
Isopropylbenzene	9.98		"	10.0		99.8	70-130			20	
Methyl acetate	6.28		"	10.0		62.8	70-130	Low Bias		20	
Methyl tert-butyl ether (MTBE)	7.63		"	10.0		76.3	70-130			20	
Methylcyclohexane	8.21		"	10.0		82.1	70-130			20	
Methylene chloride	9.37		"	10.0		93.7	70-130			20	
n-Butylbenzene	10.0		"	10.0		100	79-132			30	
n-Propylbenzene	10.2		"	10.0		102	78-133			30	
o-Xylene	9.35		"	10.0		93.5	70-130			20	
p- & m- Xylenes	19.4		"	20.0		97.0	70-130			20	
p-Isopropyltoluene	10.5		"	10.0		105	81-136			30	
sec-Butylbenzene	10.6		"	10.0		106	79-137			30	
Styrene	9.44		"	10.0		94.4	70-130			20	
tert-Butyl alcohol (TBA)	25.8		"	50.0		51.7	25-162			30	
tert-Butylbenzene	8.74		"	10.0		87.4	77-138			30	
Tetrachloroethylene	8.97		"	10.0		89.7	70-130			20	
Toluene	9.31		"	10.0		93.1	70-130			20	
trans-1,2-Dichloroethylene	8.88		"	10.0		88.8	70-130			20	
trans-1,3-Dichloropropylene	8.05		"	10.0		80.5	70-130			20	
Trichloroethylene	9.08		"	10.0		90.8	70-130			20	
Trichlorofluoromethane	7.88		"	10.0		78.8	40-160			20	
Vinyl Chloride	9.06		"	10.0		90.6	70-130			20	
Surrogate: SURRE: 1,2-Dichloroethane-d4	8.36		"	10.0		83.6	70-130				
Surrogate: SURRE: Toluene-d8	10.5		"	10.0		105	70-130				



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 BD10742 - EPA 5030B											
LCS (BD10742-BS1)	LCS		Prepared & Analyzed: 04/14/2021								
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	9.84		ug/L	10.0		98.4	70-130				
LCS Dup (BD10742-BS1)	LCS Dup		Prepared & Analyzed: 04/14/2021								
1,1,1,2-Tetrachloroethane	8.89		ug/L	10.0		88.9	82-126		2.22	30	
1,1,1-Trichloroethane	7.48		"	10.0		74.8	70-130		6.72	20	
1,1,2,2-Tetrachloroethane	9.45		"	10.0		94.5	70-130		3.66	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.26		"	10.0		82.6	70-130		4.73	20	
1,1,2-Trichloroethane	9.14		"	10.0		91.4	70-130		6.44	20	
1,1-Dichloroethane	8.03		"	10.0		80.3	70-130		4.27	20	
1,1-Dichloroethylene	7.69		"	10.0		76.9	70-130		6.05	20	
1,1-Dichloropropylene	7.54		"	10.0		75.4	83-133	Low Bias	6.79	30	
1,2,3-Trichlorobenzene	9.85		"	10.0		98.5	70-130		5.21	20	
1,2,3-Trichloropropane	9.37		"	10.0		93.7	77-128		2.70	30	
1,2,4-Trichlorobenzene	10.3		"	10.0		103	70-130		0.978	20	
1,2,4-Trimethylbenzene	9.24		"	10.0		92.4	82-132		10.4	20	
1,2-Dibromo-3-chloropropane	8.38		"	10.0		83.8	40-160		7.17	20	
1,2-Dibromoethane	9.32		"	10.0		93.2	70-130		7.23	20	
1,2-Dichlorobenzene	9.68		"	10.0		96.8	70-130		5.04	20	
1,2-Dichloroethane	8.48		"	10.0		84.8	70-130		7.21	20	
1,2-Dichloropropane	8.91		"	10.0		89.1	70-130		4.50	20	
1,3,5-Trimethylbenzene	9.27		"	10.0		92.7	80-131		11.2	30	
1,3-Dichlorobenzene	9.33		"	10.0		93.3	70-130		7.43	20	
1,3-Dichloropropane	9.24		"	10.0		92.4	81-125		6.37	30	
1,4-Dichlorobenzene	9.48		"	10.0		94.8	70-130		6.04	20	
1,4-Dioxane	119		"	210		56.5	40-160		10.1	20	
2,2-Dichloropropane	7.68		"	10.0		76.8	56-150		7.52	30	
2-Butanone	7.25		"	10.0		72.5	40-160		11.5	20	
2-Chlorotoluene	8.79		"	10.0		87.9	79-130		10.5	30	
2-Hexanone	7.83		"	10.0		78.3	40-160		16.9	20	
4-Chlorotoluene	8.84		"	10.0		88.4	79-128		11.4	30	
4-Methyl-2-pentanone	8.09		"	10.0		80.9	40-160		17.9	20	
Acetone	9.99		"	10.0		99.9	40-160		22.0	20	Non-dir.
Acrolein	12.8		"	10.0		128	10-153		19.4	30	
Acrylonitrile	9.73		"	10.0		97.3	51-150		16.5	30	
Benzene	8.60		"	10.0		86.0	70-130		4.21	20	
Bromobenzene	8.98		"	10.0		89.8	78-129		6.47	30	
Bromochloromethane	8.58		"	10.0		85.8	70-130		2.84	20	
Bromodichloromethane	8.44		"	10.0		84.4	70-130		2.11	20	
Bromoform	9.26		"	10.0		92.6	70-130		8.79	20	
Bromomethane	5.98		"	10.0		59.8	40-160		4.58	20	
Carbon disulfide	8.82		"	10.0		88.2	40-160		6.79	20	
Carbon tetrachloride	7.18		"	10.0		71.8	70-130		6.60	20	
Chlorobenzene	9.03		"	10.0		90.3	70-130		4.44	20	
Chloroethane	8.36		"	10.0		83.6	40-160		3.87	20	
Chloroform	8.28		"	10.0		82.8	70-130		2.50	20	
Chloromethane	9.52		"	10.0		95.2	40-160		7.19	20	
cis-1,2-Dichloroethylene	8.20		"	10.0		82.0	70-130		4.30	20	
cis-1,3-Dichloropropylene	8.33		"	10.0		83.3	70-130		1.07	20	
Cyclohexane	5.61		"	10.0		56.1	70-130	Low Bias	5.88	20	
Dibromochloromethane	8.98		"	10.0		89.8	70-130		3.17	20	
Dibromomethane	8.82		"	10.0		88.2	72-134		2.29	30	



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	
		Limit			Result				RPD	Limit	Flag
Batch BD10742 - EPA 5030B										
LCS Dup (BD10742-BSD1)	LCS Dup						Prepared & Analyzed: 04/14/2021			
Dichlorodifluoromethane	10.6		ug/L	10.0		106	40-160		7.29	20
Ethyl Benzene	8.80		"	10.0		88.0	70-130		7.55	20
Hexachlorobutadiene	10.4		"	10.0		104	67-146		2.76	30
Isopropylbenzene	8.76		"	10.0		87.6	70-130		13.0	20
Methyl acetate	7.57		"	10.0		75.7	70-130		18.6	20
Methyl tert-butyl ether (MTBE)	8.74		"	10.0		87.4	70-130		13.6	20
Methylcyclohexane	7.48		"	10.0		74.8	70-130		9.31	20
Methylene chloride	9.21		"	10.0		92.1	70-130		1.72	20
n-Butylbenzene	8.78		"	10.0		87.8	79-132		13.2	30
n-Propylbenzene	8.86		"	10.0		88.6	78-133		13.8	30
o-Xylene	8.81		"	10.0		88.1	70-130		5.95	20
p- & m- Xylenes	18.0		"	20.0		90.0	70-130		7.54	20
p-Isopropyltoluene	9.36		"	10.0		93.6	81-136		11.5	30
sec-Butylbenzene	9.38		"	10.0		93.8	79-137		12.2	30
Styrene	9.23		"	10.0		92.3	70-130		2.25	20
tert-Butyl alcohol (TBA)	37.3		"	50.0		74.6	25-162		36.2	30
tert-Butylbenzene	7.62		"	10.0		76.2	77-138	Low Bias	13.7	30
Tetrachloroethylene	8.24		"	10.0		82.4	70-130		8.48	20
Toluene	8.62		"	10.0		86.2	70-130		7.70	20
trans-1,2-Dichloroethylene	8.39		"	10.0		83.9	70-130		5.67	20
trans-1,3-Dichloropropylene	8.37		"	10.0		83.7	70-130		3.90	20
Trichloroethylene	8.20		"	10.0		82.0	70-130		10.2	20
Trichlorofluoromethane	7.31		"	10.0		73.1	40-160		7.50	20
Vinyl Chloride	8.35		"	10.0		83.5	70-130		8.16	20
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.04</i>		<i>"</i>	<i>10.0</i>		<i>90.4</i>	<i>70-130</i>			
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>70-130</i>			
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.59</i>		<i>"</i>	<i>10.0</i>		<i>95.9</i>	<i>70-130</i>			

Non-dir.



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD10743 - EPA 5035A

Blank (BD10743-BLK1)	Blank										
											Prepared & Analyzed: 04/14/2021
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	"								
1,1-Dichloropropylene	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	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	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	"								
Bromobenzene	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	0.0031	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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BD10743 - EPA 5035A

Blank (BD10743-BLK1)	Blank	Prepared & Analyzed: 04/14/2021									
Isopropylbenzene	ND	0.0050	mg/kg wet								
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	"								
<hr/>											
Surrogate: SURR: 1,2-Dichloroethane-d4	47.1		ug/L	50.0		94.2	77-125				
Surrogate: SURR: Toluene-d8	53.8		"	50.0		108	85-120				
Surrogate: SURR: p-Bromofluorobenzene	51.7		"	50.0		103	76-130				

Blank (BD10743-BLK2)	HOLDING BLANK- 21D0604	Prepared & Analyzed: 04/14/2021									
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	"								
1,1-Dichloropropylene	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	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BD10743 - EPA 5035A

Blank (BD10743-BLK2)	HOLDING BLANK- 21D0604		Prepared & Analyzed: 04/14/2021								
2-Chlorotoluene	ND	0.0050	mg/kg wet								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	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	"								
Bromobenzene	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	0.0030	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	47.4		ug/L	50.0		94.9		77-125			
Surrogate: SURRE: Toluene-d8	53.0		"	50.0		106		85-120			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD10743 - EPA 5035A											
Blank (BD10743-BLK2)	HOLDING BLANK- 21D0604								Prepared & Analyzed: 04/14/2021		
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	50.6		ug/L	50.0		101	76-130				
Blank (BD10743-BLK3)	HOLDING BLANK- 21D0652								Prepared & Analyzed: 04/14/2021		
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	"								
1,1-Dichloropropylene	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	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	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	"								
Bromobenzene	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	0.0028	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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag	
		Limit								Level		Result	RPD	Limit
Batch BD10743 - EPA 5035A												
Blank (BD10743-BLK3)	HOLDING BLANK- 21D0652							Prepared & Analyzed: 04/14/2021				
Dichlorodifluoromethane	ND	0.0050	mg/kg wet									
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>48.4</i>		<i>ug/L</i>	<i>50.0</i>		<i>96.7</i>		<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>53.3</i>		<i>"</i>	<i>50.0</i>		<i>107</i>		<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>49.9</i>		<i>"</i>	<i>50.0</i>		<i>99.9</i>		<i>76-130</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit			Result					Limit	
Batch BD10743 - EPA 5035A											
LCS (BD10743-BS1)	LCS	Prepared & Analyzed: 04/14/2021									
1,1,1,2-Tetrachloroethane	46.4		ug/L	50.0		92.8	75-129			30	
1,1,1-Trichloroethane	45.5		"	50.0		91.0	70-130			30	
1,1,2,2-Tetrachloroethane	55.4		"	50.0		111	70-130			30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	41.9		"	50.0		83.7	70-130			30	
1,1,2-Trichloroethane	53.1		"	50.0		106	70-130			30	
1,1-Dichloroethane	42.7		"	50.0		85.4	70-130			30	
1,1-Dichloroethylene	38.0		"	50.0		76.0	70-130			30	
1,1-Dichloropropylene	44.2		"	50.0		88.5	77-127			30	
1,2,3-Trichlorobenzene	60.6		"	50.0		121	70-130			30	
1,2,3-Trichloropropane	53.4		"	50.0		107	81-126			30	
1,2,4-Trichlorobenzene	60.9		"	50.0		122	70-130			30	
1,2,4-Trimethylbenzene	53.8		"	50.0		108	84-125			30	
1,2-Dibromo-3-chloropropane	52.5		"	50.0		105	40-160			30	
1,2-Dibromoethane	53.4		"	50.0		107	70-130			30	
1,2-Dichlorobenzene	55.4		"	50.0		111	70-130			30	
1,2-Dichloroethane	43.6		"	50.0		87.2	70-130			30	
1,2-Dichloropropane	50.7		"	50.0		101	70-130			30	
1,3,5-Trimethylbenzene	54.4		"	50.0		109	82-126			30	
1,3-Dichlorobenzene	55.0		"	50.0		110	70-130			30	
1,3-Dichloropropane	51.1		"	50.0		102	83-123			30	
1,4-Dichlorobenzene	54.6		"	50.0		109	70-130			30	
1,4-Dioxane	995		"	1050		94.7	40-160			30	
2,2-Dichloropropane	41.1		"	50.0		82.2	67-136			30	
2-Butanone	34.3		"	50.0		68.6	40-160			30	
2-Chlorotoluene	52.6		"	50.0		105	78-127			30	
2-Hexanone	47.7		"	50.0		95.5	40-160			30	
4-Chlorotoluene	54.5		"	50.0		109	79-125			30	
4-Methyl-2-pentanone	49.6		"	50.0		99.2	40-160			30	
Acetone	28.8		"	50.0		57.5	40-160			30	
Acrolein	59.8		"	50.0		120	10-238			30	
Acrylonitrile	45.1		"	50.0		90.1	66-141			30	
Benzene	45.9		"	50.0		91.9	70-130			30	
Bromobenzene	52.7		"	50.0		105	77-129			30	
Bromochloromethane	44.1		"	50.0		88.2	70-130			30	
Bromodichloromethane	52.7		"	50.0		105	70-130			30	
Bromoform	48.6		"	50.0		97.2	70-130			30	
Bromomethane	44.9		"	50.0		89.8	40-160			30	
Carbon disulfide	47.9		"	50.0		95.7	40-160			30	
Carbon tetrachloride	40.0		"	50.0		80.1	70-130			30	
Chlorobenzene	52.3		"	50.0		105	70-130			30	
Chloroethane	34.0		"	50.0		67.9	51-142			30	
Chloroform	49.2		"	50.0		98.3	70-130			30	
Chloromethane	39.2		"	50.0		78.4	49-132			30	
cis-1,2-Dichloroethylene	45.6		"	50.0		91.2	70-130			30	
cis-1,3-Dichloropropylene	45.3		"	50.0		90.7	70-130			30	
Cyclohexane	39.8		"	50.0		79.7	70-130			30	
Dibromochloromethane	47.6		"	50.0		95.1	70-130			30	
Dibromomethane	51.7		"	50.0		103	83-124			30	
Dichlorodifluoromethane	47.2		"	50.0		94.3	40-160			30	
Ethyl Benzene	50.1		"	50.0		100	70-130			30	
Hexachlorobutadiene	61.1		"	50.0		122	83-133			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 BD10743 - EPA 5035A											
LCS (BD10743-BS1)	LCS	Prepared & Analyzed: 04/14/2021									
Isopropylbenzene	52.4		ug/L	50.0		105	70-130			30	
Methyl acetate	35.1		"	50.0		70.1	70-130			30	
Methyl tert-butyl ether (MTBE)	48.0		"	50.0		95.9	70-130			30	
Methylcyclohexane	45.2		"	50.0		90.5	70-130			30	
Methylene chloride	44.6		"	50.0		89.1	70-130			30	
n-Butylbenzene	50.8		"	50.0		102	80-130			30	
n-Propylbenzene	51.7		"	50.0		103	74-136			30	
o-Xylene	50.7		"	50.0		101	70-130			30	
p- & m- Xylenes	102		"	100		102	70-130			30	
p-Isopropyltoluene	55.2		"	50.0		110	85-125			30	
sec-Butylbenzene	55.5		"	50.0		111	83-125			30	
Styrene	53.3		"	50.0		107	70-130			30	
tert-Butyl alcohol (TBA)	233		"	250		93.2	70-130			30	
tert-Butylbenzene	53.3		"	50.0		107	80-127			30	
Tetrachloroethylene	50.2		"	50.0		100	70-130			30	
Toluene	50.1		"	50.0		100	70-130			30	
trans-1,2-Dichloroethylene	45.2		"	50.0		90.5	70-130			30	
trans-1,3-Dichloropropylene	45.4		"	50.0		90.7	70-130			30	
Trichloroethylene	50.9		"	50.0		102	70-130			30	
Trichlorofluoromethane	34.8		"	50.0		69.6	40-160			30	
Vinyl Chloride	38.4		"	50.0		76.8	70-130			30	
<i>Surrogate: SURRE: 1,2-Dichloroethane-d4</i>	47.8		"	50.0		95.6	77-125				
<i>Surrogate: SURRE: Toluene-d8</i>	53.3		"	50.0		107	85-120				
<i>Surrogate: SURRE: p-Bromofluorobenzene</i>	48.7		"	50.0		97.5	76-130				
LCS Dup (BD10743-BSD1)	LCS Dup	Prepared & Analyzed: 04/14/2021									
1,1,1,2-Tetrachloroethane	46.0		ug/L	50.0		92.1	75-129		0.800	30	
1,1,1-Trichloroethane	46.5		"	50.0		93.0	70-130		2.09	30	
1,1,2,2-Tetrachloroethane	57.2		"	50.0		114	70-130		3.28	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	42.6		"	50.0		85.2	70-130		1.80	30	
1,1,2-Trichloroethane	52.7		"	50.0		105	70-130		0.813	30	
1,1-Dichloroethane	42.8		"	50.0		85.6	70-130		0.304	30	
1,1-Dichloroethylene	38.9		"	50.0		77.8	70-130		2.31	30	
1,1-Dichloropropylene	44.4		"	50.0		88.7	77-127		0.316	30	
1,2,3-Trichlorobenzene	61.9		"	50.0		124	70-130		2.15	30	
1,2,3-Trichloropropane	55.4		"	50.0		111	81-126		3.68	30	
1,2,4-Trichlorobenzene	62.3		"	50.0		125	70-130		2.22	30	
1,2,4-Trimethylbenzene	53.9		"	50.0		108	84-125		0.204	30	
1,2-Dibromo-3-chloropropane	55.6		"	50.0		111	40-160		5.74	30	
1,2-Dibromoethane	54.8		"	50.0		110	70-130		2.50	30	
1,2-Dichlorobenzene	57.2		"	50.0		114	70-130		3.14	30	
1,2-Dichloroethane	44.3		"	50.0		88.6	70-130		1.52	30	
1,2-Dichloropropane	51.1		"	50.0		102	70-130		0.766	30	
1,3,5-Trimethylbenzene	55.2		"	50.0		110	82-126		1.35	30	
1,3-Dichlorobenzene	54.6		"	50.0		109	70-130		0.785	30	
1,3-Dichloropropane	50.9		"	50.0		102	83-123		0.274	30	
1,4-Dichlorobenzene	55.7		"	50.0		111	70-130		1.98	30	
1,4-Dioxane	1120		"	1050		107	40-160		12.2	30	
2,2-Dichloropropane	42.2		"	50.0		84.3	67-136		2.55	30	
2-Butanone	39.5		"	50.0		79.0	40-160		14.1	30	
2-Chlorotoluene	53.2		"	50.0		106	78-127		1.10	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 BD10743 - EPA 5035A											
LCS Dup (BD10743-BSD1)	LCS Dup	Prepared & Analyzed: 04/14/2021									
2-Hexanone	50.2		ug/L	50.0		100	40-160		5.10	30	
4-Chlorotoluene	54.9		"	50.0		110	79-125		0.768	30	
4-Methyl-2-pentanone	51.6		"	50.0		103	40-160		3.95	30	
Acetone	29.0		"	50.0		57.9	40-160		0.658	30	
Acrolein	62.0		"	50.0		124	10-238		3.63	30	
Acrylonitrile	47.4		"	50.0		94.7	66-141		4.96	30	
Benzene	46.7		"	50.0		93.5	70-130		1.73	30	
Bromobenzene	52.0		"	50.0		104	77-129		1.24	30	
Bromochloromethane	44.3		"	50.0		88.7	70-130		0.497	30	
Bromodichloromethane	52.9		"	50.0		106	70-130		0.398	30	
Bromoform	50.1		"	50.0		100	70-130		3.02	30	
Bromomethane	45.9		"	50.0		91.8	40-160		2.14	30	
Carbon disulfide	46.8		"	50.0		93.7	40-160		2.18	30	
Carbon tetrachloride	41.3		"	50.0		82.5	70-130		3.05	30	
Chlorobenzene	52.2		"	50.0		104	70-130		0.172	30	
Chloroethane	32.7		"	50.0		65.3	51-142		3.90	30	
Chloroform	49.3		"	50.0		98.6	70-130		0.223	30	
Chloromethane	39.4		"	50.0		78.9	49-132		0.585	30	
cis-1,2-Dichloroethylene	45.5		"	50.0		91.0	70-130		0.198	30	
cis-1,3-Dichloropropylene	45.4		"	50.0		90.7	70-130		0.0220	30	
Cyclohexane	40.7		"	50.0		81.4	70-130		2.11	30	
Dibromochloromethane	48.3		"	50.0		96.6	70-130		1.54	30	
Dibromomethane	51.3		"	50.0		103	83-124		0.835	30	
Dichlorodifluoromethane	48.7		"	50.0		97.4	40-160		3.23	30	
Ethyl Benzene	50.5		"	50.0		101	70-130		0.736	30	
Hexachlorobutadiene	62.2		"	50.0		124	83-133		1.88	30	
Isopropylbenzene	53.1		"	50.0		106	70-130		1.25	30	
Methyl acetate	36.9		"	50.0		73.8	70-130		5.06	30	
Methyl tert-butyl ether (MTBE)	48.3		"	50.0		96.6	70-130		0.706	30	
Methylcyclohexane	45.8		"	50.0		91.7	70-130		1.30	30	
Methylene chloride	44.8		"	50.0		89.6	70-130		0.515	30	
n-Butylbenzene	52.4		"	50.0		105	80-130		3.06	30	
n-Propylbenzene	52.2		"	50.0		104	74-136		0.944	30	
o-Xylene	50.6		"	50.0		101	70-130		0.178	30	
p- & m- Xylenes	103		"	100		103	70-130		0.712	30	
p-Isopropyltoluene	56.2		"	50.0		112	85-125		1.81	30	
sec-Butylbenzene	56.4		"	50.0		113	83-125		1.57	30	
Styrene	52.9		"	50.0		106	70-130		0.697	30	
tert-Butyl alcohol (TBA)	260		"	250		104	70-130		11.0	30	
tert-Butylbenzene	53.9		"	50.0		108	80-127		1.19	30	
Tetrachloroethylene	51.4		"	50.0		103	70-130		2.44	30	
Toluene	50.2		"	50.0		100	70-130		0.159	30	
trans-1,2-Dichloroethylene	45.9		"	50.0		91.8	70-130		1.47	30	
trans-1,3-Dichloropropylene	45.3		"	50.0		90.5	70-130		0.243	30	
Trichloroethylene	51.3		"	50.0		103	70-130		0.764	30	
Trichlorofluoromethane	35.7		"	50.0		71.4	40-160		2.55	30	
Vinyl Chloride	39.2		"	50.0		78.3	70-130		1.91	30	
Surrogate: SURRE: 1,2-Dichloroethane-d4	47.7		"	50.0		95.4	77-125				
Surrogate: SURRE: Toluene-d8	53.3		"	50.0		107	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	48.2		"	50.0		96.4	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BD10819 - EPA 5035A

Blank (BD10819-BLK1) Blank

Prepared & Analyzed: 04/15/2021

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	"
1,1-Dichloropropylene	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	"
1,3-Dichloropropane	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
1,4-Dioxane	ND	0.10	"
2,2-Dichloropropane	ND	0.0050	"
2-Butanone	ND	0.0050	"
2-Chlorotoluene	ND	0.0050	"
2-Hexanone	ND	0.0050	"
4-Chlorotoluene	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	"
Bromobenzene	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	"



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BD10819 - EPA 5035A

Blank (BD10819-BLK1)	Blank	Prepared & Analyzed: 04/15/2021									
Isopropylbenzene	ND	0.0050	mg/kg wet								
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	50.0		ug/L	50.0	100	77-125					
Surrogate: SURR: Toluene-d8	55.1		"	50.0	110	85-120					
Surrogate: SURR: p-Bromofluorobenzene	55.2		"	50.0	110	76-130					

LCS (BD10819-BS1)	LCS	Prepared & Analyzed: 04/15/2021									
1,1,1,2-Tetrachloroethane	49.3		ug/L	50.0	98.5	75-129					30
1,1,1-Trichloroethane	44.1		"	50.0	88.3	70-130					30
1,1,2,2-Tetrachloroethane	60.1		"	50.0	120	70-130					30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51.6		"	50.0	103	70-130					30
1,1,2-Trichloroethane	55.2		"	50.0	110	70-130					30
1,1-Dichloroethane	45.5		"	50.0	90.9	70-130					30
1,1-Dichloroethylene	46.0		"	50.0	91.9	70-130					30
1,1-Dichloropropylene	44.6		"	50.0	89.3	77-127					30
1,2,3-Trichlorobenzene	56.0		"	50.0	112	70-130					30
1,2,3-Trichloropropane	58.2		"	50.0	116	81-126					30
1,2,4-Trichlorobenzene	56.3		"	50.0	113	70-130					30
1,2,4-Trimethylbenzene	57.3		"	50.0	115	84-125					30
1,2-Dibromo-3-chloropropane	58.3		"	50.0	117	40-160					30
1,2-Dibromoethane	55.3		"	50.0	111	70-130					30
1,2-Dichlorobenzene	56.9		"	50.0	114	70-130					30
1,2-Dichloroethane	46.4		"	50.0	92.9	70-130					30
1,2-Dichloropropane	56.5		"	50.0	113	70-130					30
1,3,5-Trimethylbenzene	56.1		"	50.0	112	82-126					30
1,3-Dichlorobenzene	54.6		"	50.0	109	70-130					30
1,3-Dichloropropane	54.4		"	50.0	109	83-123					30
1,4-Dichlorobenzene	55.5		"	50.0	111	70-130					30
1,4-Dioxane	1180		"	1050	112	40-160					30
2,2-Dichloropropane	44.6		"	50.0	89.2	67-136					30
2-Butanone	41.2		"	50.0	82.3	40-160					30



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Flag
		Limit								Units		Level	Result	Limit
Batch BD10819 - EPA 5035A											
LCS (BD10819-BS1)	LCS										Prepared & Analyzed: 04/15/2021
2-Chlorotoluene	55.4		ug/L	50.0	111	78-127					30
2-Hexanone	57.0		"	50.0	114	40-160					30
4-Chlorotoluene	55.3		"	50.0	111	79-125					30
4-Methyl-2-pentanone	47.8		"	50.0	95.7	40-160					30
Acetone	35.3		"	50.0	70.6	40-160					30
Acrolein	105		"	50.0	211	10-238					30
Acrylonitrile	53.5		"	50.0	107	66-141					30
Benzene	48.4		"	50.0	96.7	70-130					30
Bromobenzene	57.5		"	50.0	115	77-129					30
Bromochloromethane	50.1		"	50.0	100	70-130					30
Bromodichloromethane	55.4		"	50.0	111	70-130					30
Bromoform	51.4		"	50.0	103	70-130					30
Bromomethane	53.2		"	50.0	106	40-160					30
Carbon disulfide	48.8		"	50.0	97.6	40-160					30
Carbon tetrachloride	44.6		"	50.0	89.1	70-130					30
Chlorobenzene	53.1		"	50.0	106	70-130					30
Chloroethane	50.0		"	50.0	100	51-142					30
Chloroform	47.8		"	50.0	95.5	70-130					30
Chloromethane	51.2		"	50.0	102	49-132					30
cis-1,2-Dichloroethylene	46.9		"	50.0	93.7	70-130					30
cis-1,3-Dichloropropylene	55.4		"	50.0	111	70-130					30
Cyclohexane	48.6		"	50.0	97.1	70-130					30
Dibromochloromethane	57.4		"	50.0	115	70-130					30
Dibromomethane	54.5		"	50.0	109	83-124					30
Dichlorodifluoromethane	67.3		"	50.0	135	40-160					30
Ethyl Benzene	53.4		"	50.0	107	70-130					30
Hexachlorobutadiene	55.5		"	50.0	111	83-133					30
Isopropylbenzene	55.7		"	50.0	111	70-130					30
Methyl acetate	49.4		"	50.0	98.8	70-130					30
Methyl tert-butyl ether (MTBE)	48.4		"	50.0	96.8	70-130					30
Methylcyclohexane	56.3		"	50.0	113	70-130					30
Methylene chloride	48.9		"	50.0	97.8	70-130					30
n-Butylbenzene	56.7		"	50.0	113	80-130					30
n-Propylbenzene	55.7		"	50.0	111	74-136					30
o-Xylene	53.9		"	50.0	108	70-130					30
p- & m- Xylenes	109		"	100	109	70-130					30
p-Isopropyltoluene	57.2		"	50.0	114	85-125					30
sec-Butylbenzene	58.9		"	50.0	118	83-125					30
Styrene	56.1		"	50.0	112	70-130					30
tert-Butyl alcohol (TBA)	213		"	250	85.0	70-130					30
tert-Butylbenzene	48.6		"	50.0	97.2	80-127					30
Tetrachloroethylene	48.4		"	50.0	96.8	70-130					30
Toluene	55.0		"	50.0	110	70-130					30
trans-1,2-Dichloroethylene	48.6		"	50.0	97.2	70-130					30
trans-1,3-Dichloropropylene	56.5		"	50.0	113	70-130					30
Trichloroethylene	53.4		"	50.0	107	70-130					30
Trichlorofluoromethane	51.3		"	50.0	103	40-160					30
Vinyl Chloride	52.9		"	50.0	106	70-130					30
Surrogate: SURRE: 1,2-Dichloroethane-d4	49.2		"	50.0	98.4	77-125					
Surrogate: SURRE: Toluene-d8	54.7		"	50.0	109	85-120					
Surrogate: SURRE: p-Bromofluorobenzene	49.4		"	50.0	98.8	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 BD10819 - EPA 5035A											
LCS (BD10819-BS1)		LCS		Prepared & Analyzed: 04/15/2021							
LCS Dup (BD10819-BS1)		LCS Dup		Prepared & Analyzed: 04/15/2021							
1,1,1,2-Tetrachloroethane	45.5		ug/L	50.0		91.0	75-129		7.93	30	
1,1,1-Trichloroethane	41.5		"	50.0		83.1	70-130		6.07	30	
1,1,2,2-Tetrachloroethane	59.1		"	50.0		118	70-130		1.76	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.4		"	50.0		98.7	70-130		4.55	30	
1,1,2-Trichloroethane	51.1		"	50.0		102	70-130		7.68	30	
1,1-Dichloroethane	42.2		"	50.0		84.3	70-130		7.51	30	
1,1-Dichloroethylene	43.8		"	50.0		87.7	70-130		4.72	30	
1,1-Dichloropropylene	42.5		"	50.0		85.0	77-127		4.89	30	
1,2,3-Trichlorobenzene	52.2		"	50.0		104	70-130		7.12	30	
1,2,3-Trichloropropane	55.8		"	50.0		112	81-126		4.26	30	
1,2,4-Trichlorobenzene	52.4		"	50.0		105	70-130		7.22	30	
1,2,4-Trimethylbenzene	53.6		"	50.0		107	84-125		6.57	30	
1,2-Dibromo-3-chloropropane	59.9		"	50.0		120	40-160		2.64	30	
1,2-Dibromoethane	51.4		"	50.0		103	70-130		7.29	30	
1,2-Dichlorobenzene	52.6		"	50.0		105	70-130		8.00	30	
1,2-Dichloroethane	42.4		"	50.0		84.8	70-130		9.07	30	
1,2-Dichloropropane	52.3		"	50.0		105	70-130		7.65	30	
1,3,5-Trimethylbenzene	53.3		"	50.0		107	82-126		5.05	30	
1,3-Dichlorobenzene	51.4		"	50.0		103	70-130		6.17	30	
1,3-Dichloropropane	50.4		"	50.0		101	83-123		7.52	30	
1,4-Dichlorobenzene	52.0		"	50.0		104	70-130		6.51	30	
1,4-Dioxane	1120		"	1050		107	40-160		4.52	30	
2,2-Dichloropropane	41.8		"	50.0		83.5	67-136		6.58	30	
2-Butanone	40.8		"	50.0		81.5	40-160		0.976	30	
2-Chlorotoluene	52.8		"	50.0		106	78-127		4.71	30	
2-Hexanone	56.8		"	50.0		114	40-160		0.264	30	
4-Chlorotoluene	52.5		"	50.0		105	79-125		5.17	30	
4-Methyl-2-pentanone	46.3		"	50.0		92.6	40-160		3.29	30	
Acetone	34.3		"	50.0		68.7	40-160		2.81	30	
Acrolein	102		"	50.0		203	10-238		3.58	30	
Acrylonitrile	50.9		"	50.0		102	66-141		4.96	30	
Benzene	44.6		"	50.0		89.3	70-130		8.02	30	
Bromobenzene	53.8		"	50.0		108	77-129		6.62	30	
Bromochloromethane	46.5		"	50.0		93.1	70-130		7.47	30	
Bromodichloromethane	50.9		"	50.0		102	70-130		8.56	30	
Bromoform	47.1		"	50.0		94.2	70-130		8.71	30	
Bromomethane	50.0		"	50.0		100	40-160		6.28	30	
Carbon disulfide	46.0		"	50.0		91.9	40-160		6.04	30	
Carbon tetrachloride	42.1		"	50.0		84.2	70-130		5.68	30	
Chlorobenzene	49.6		"	50.0		99.1	70-130		6.84	30	
Chloroethane	47.8		"	50.0		95.7	51-142		4.35	30	
Chloroform	44.7		"	50.0		89.4	70-130		6.64	30	
Chloromethane	48.7		"	50.0		97.4	49-132		5.01	30	
cis-1,2-Dichloroethylene	43.4		"	50.0		86.8	70-130		7.67	30	
cis-1,3-Dichloropropylene	51.4		"	50.0		103	70-130		7.53	30	
Cyclohexane	46.2		"	50.0		92.5	70-130		4.92	30	
Dibromochloromethane	53.2		"	50.0		106	70-130		7.67	30	
Dibromomethane	51.6		"	50.0		103	83-124		5.52	30	
Dichlorodifluoromethane	63.5		"	50.0		127	40-160		5.81	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit			Result					Limit			
Batch BD10819 - EPA 5035A													
LCS Dup (BD10819-BSD1)	LCS Dup	Prepared & Analyzed: 04/15/2021											
Ethyl Benzene	50.6		ug/L	50.0		101	70-130			5.32		30	
Hexachlorobutadiene	54.3		"	50.0		109	83-133			2.24		30	
Isopropylbenzene	53.5		"	50.0		107	70-130			4.01		30	
Methyl acetate	48.4		"	50.0		96.7	70-130			2.09		30	
Methyl tert-butyl ether (MTBE)	44.0		"	50.0		88.0	70-130			9.57		30	
Methylcyclohexane	54.0		"	50.0		108	70-130			4.15		30	
Methylene chloride	45.6		"	50.0		91.1	70-130			7.07		30	
n-Butylbenzene	52.8		"	50.0		106	80-130			7.16		30	
n-Propylbenzene	53.4		"	50.0		107	74-136			4.11		30	
o-Xylene	50.6		"	50.0		101	70-130			6.39		30	
p- & m- Xylenes	102		"	100		102	70-130			6.26		30	
p-Isopropyltoluene	54.9		"	50.0		110	85-125			4.10		30	
sec-Butylbenzene	57.1		"	50.0		114	83-125			3.10		30	
Styrene	51.7		"	50.0		103	70-130			8.17		30	
tert-Butyl alcohol (TBA)	215		"	250		86.0	70-130			1.16		30	
tert-Butylbenzene	46.8		"	50.0		93.6	80-127			3.77		30	
Tetrachloroethylene	45.3		"	50.0		90.6	70-130			6.58		30	
Toluene	51.9		"	50.0		104	70-130			5.88		30	
trans-1,2-Dichloroethylene	45.1		"	50.0		90.2	70-130			7.47		30	
trans-1,3-Dichloropropylene	51.8		"	50.0		104	70-130			8.74		30	
Trichloroethylene	50.3		"	50.0		101	70-130			5.90		30	
Trichlorofluoromethane	47.4		"	50.0		94.8	40-160			7.90		30	
Vinyl Chloride	50.2		"	50.0		100	70-130			5.22		30	
Surrogate: SURR: 1,2-Dichloroethane-d4	48.4		"	50.0		96.8	77-125						
Surrogate: SURR: Toluene-d8	55.0		"	50.0		110	85-120						
Surrogate: SURR: p-Bromofluorobenzene	50.6		"	50.0		101	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
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Batch BD10899 - EPA 3546 SVOA

Blank (BD10899-BLK1)	Blank										
											Prepared & Analyzed: 04/16/2021
1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2,4-Trichlorobenzene	ND	0.0416	"								
1,2-Dichlorobenzene	ND	0.0416	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
1,3-Dichlorobenzene	ND	0.0416	"								
1,4-Dichlorobenzene	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	"								



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
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Batch BD10899 - EPA 3546 SVOA

Blank (BD10899-BLK1)	Blank	Prepared & Analyzed: 04/16/2021									
Caprolactam	ND	0.0830	mg/kg wet								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
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	0.853		"	1.66		51.3	20-108				
Surrogate: SURR: Phenol-d5	0.776		"	1.66		46.7	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.527		"	0.831		63.5	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.513		"	0.831		61.7	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.41		"	1.66		84.7	19-110				
Surrogate: SURR: Terphenyl-d14	0.574		"	0.831		69.1	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 BD10899 - EPA 3546 SVOA											
LCS (BD10899-BS1)	LCS	Prepared & Analyzed: 04/16/2021									
1,1-Biphenyl	0.549	0.0416	mg/kg wet	0.831		66.1	18-111				
1,2,4,5-Tetrachlorobenzene	0.477	0.0830	"	0.831		57.4	21-131				
1,2,4-Trichlorobenzene	0.479	0.0416	"	0.831		57.6	10-140				
1,2-Dichlorobenzene	0.455	0.0416	"	0.831		54.8	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.423	0.0416	"	0.831		50.9	17-137				
1,3-Dichlorobenzene	0.433	0.0416	"	0.831		52.1	33-110				
1,4-Dichlorobenzene	0.445	0.0416	"	0.831		53.6	32-104				
2,3,4,6-Tetrachlorophenol	0.584	0.0830	"	0.831		70.3	30-130				
2,4,5-Trichlorophenol	0.501	0.0416	"	0.831		60.3	27-118				
2,4,6-Trichlorophenol	0.563	0.0416	"	0.831		67.8	31-120				
2,4-Dichlorophenol	0.534	0.0416	"	0.831		64.3	20-127				
2,4-Dimethylphenol	0.539	0.0416	"	0.831		64.9	14-132				
2,4-Dinitrophenol	0.102	0.0830	"	0.831		12.3	10-171				
2,4-Dinitrotoluene	0.617	0.0416	"	0.831		74.2	34-131				
2,6-Dinitrotoluene	0.620	0.0416	"	0.831		74.6	31-128				
2-Chloronaphthalene	0.478	0.0416	"	0.831		57.5	31-117				
2-Chlorophenol	0.467	0.0416	"	0.831		56.2	33-113				
2-Methylnaphthalene	0.530	0.0416	"	0.831		63.8	12-138				
2-Methylphenol	0.471	0.0416	"	0.831		56.7	10-136				
2-Nitroaniline	0.605	0.0830	"	0.831		72.8	27-132				
2-Nitrophenol	0.606	0.0416	"	0.831		73.0	17-129				
3- & 4-Methylphenols	0.391	0.0416	"	0.831		47.0	29-103				
3,3-Dichlorobenzidine	0.484	0.0416	"	0.831		58.3	22-149				
3-Nitroaniline	0.507	0.0830	"	0.831		61.0	20-133				
4,6-Dinitro-2-methylphenol	0.240	0.0830	"	0.831		28.8	10-143				
4-Bromophenyl phenyl ether	0.518	0.0416	"	0.831		62.3	29-120				
4-Chloro-3-methylphenol	0.475	0.0416	"	0.831		57.2	24-129				
4-Chloroaniline	0.306	0.0416	"	0.831		36.9	10-132				
4-Chlorophenyl phenyl ether	0.502	0.0416	"	0.831		60.4	27-124				
4-Nitroaniline	0.583	0.0830	"	0.831		70.2	16-128				
4-Nitrophenol	0.525	0.0830	"	0.831		63.2	10-141				
Acenaphthene	0.476	0.0416	"	0.831		57.3	30-121				
Acenaphthylene	0.505	0.0416	"	0.831		60.8	30-115				
Acetophenone	0.513	0.0416	"	0.831		61.7	20-112				
Aniline	0.327	0.166	"	0.831		39.4	10-119				
Anthracene	0.530	0.0416	"	0.831		63.8	34-118				
Atrazine	0.597	0.0416	"	0.831		71.8	26-112				
Benzaldehyde	0.661	0.0416	"	0.831		79.6	21-100				
Benzo(a)anthracene	0.526	0.0416	"	0.831		63.3	32-122				
Benzo(a)pyrene	0.640	0.0416	"	0.831		77.0	29-133				
Benzo(b)fluoranthene	0.573	0.0416	"	0.831		69.0	25-133				
Benzo(g,h,i)perylene	0.595	0.0416	"	0.831		71.6	10-143				
Benzo(k)fluoranthene	0.547	0.0416	"	0.831		65.8	25-128				
Benzoic acid	0.123	0.0416	"	0.831		14.8	10-140				
Benzyl alcohol	0.495	0.0416	"	0.831		59.6	30-115				
Benzyl butyl phthalate	0.559	0.0416	"	0.831		67.3	26-126				
Bis(2-chloroethoxy)methane	0.427	0.0416	"	0.831		51.4	19-132				
Bis(2-chloroethyl)ether	0.454	0.0416	"	0.831		54.7	19-125				
Bis(2-chloroisopropyl)ether	0.512	0.0416	"	0.831		61.6	20-135				
Bis(2-ethylhexyl)phthalate	0.610	0.0416	"	0.831		73.4	10-155				
Caprolactam	0.539	0.0830	"	0.831		64.8	10-127				



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
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Batch BD10899 - EPA 3546 SVOA

LCS (BD10899-BS1)	LCS	Prepared & Analyzed: 04/16/2021									
Carbazole	0.520	0.0416	mg/kg wet	0.831		62.6	35-123				
Chrysene	0.525	0.0416	"	0.831		63.2	32-123				
Dibenzo(a,h)anthracene	0.586	0.0416	"	0.831		70.5	10-136				
Dibenzofuran	0.520	0.0416	"	0.831		62.6	29-121				
Diethyl phthalate	0.487	0.0416	"	0.831		58.6	34-116				
Dimethyl phthalate	0.469	0.0416	"	0.831		56.5	35-124				
Di-n-butyl phthalate	0.541	0.0416	"	0.831		65.2	31-116				
Di-n-octyl phthalate	0.706	0.0416	"	0.831		85.0	26-136				
Fluoranthene	0.512	0.0416	"	0.831		61.6	33-122				
Fluorene	0.515	0.0416	"	0.831		62.0	29-123				
Hexachlorobenzene	0.491	0.0416	"	0.831		59.2	21-124				
Hexachlorobutadiene	0.493	0.0416	"	0.831		59.3	10-149				
Hexachlorocyclopentadiene	0.218	0.0416	"	0.831		26.2	10-129				
Hexachloroethane	0.391	0.0416	"	0.831		47.0	28-108				
Indeno(1,2,3-cd)pyrene	0.635	0.0416	"	0.831		76.4	10-135				
Isophorone	0.437	0.0416	"	0.831		52.6	20-132				
Naphthalene	0.515	0.0416	"	0.831		62.0	23-124				
Nitrobenzene	0.461	0.0416	"	0.831		55.5	13-132				
N-Nitrosodimethylamine	0.417	0.0416	"	0.831		50.2	11-129				
N-nitroso-di-n-propylamine	0.436	0.0416	"	0.831		52.4	24-119				
N-Nitrosodiphenylamine	0.580	0.0416	"	0.831		69.8	22-152				
Pentachlorophenol	0.416	0.0416	"	0.831		50.1	10-139				
Phenanthrene	0.510	0.0416	"	0.831		61.4	33-123				
Phenol	0.423	0.0416	"	0.831		51.0	23-115				
Pyrene	0.484	0.0416	"	0.831		58.3	24-130				
Pyridine	0.271	0.166	"	0.831		32.7	10-91				
<i>Surrogate: SURR: 2-Fluorophenol</i>	<i>0.925</i>		<i>"</i>	<i>1.66</i>		<i>55.7</i>	<i>20-108</i>				
<i>Surrogate: SURR: Phenol-d5</i>	<i>0.826</i>		<i>"</i>	<i>1.66</i>		<i>49.7</i>	<i>23-114</i>				
<i>Surrogate: SURR: Nitrobenzene-d5</i>	<i>0.506</i>		<i>"</i>	<i>0.831</i>		<i>60.9</i>	<i>22-108</i>				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	<i>0.521</i>		<i>"</i>	<i>0.831</i>		<i>62.7</i>	<i>21-113</i>				
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	<i>1.55</i>		<i>"</i>	<i>1.66</i>		<i>93.4</i>	<i>19-110</i>				
<i>Surrogate: SURR: Terphenyl-d14</i>	<i>0.617</i>		<i>"</i>	<i>0.831</i>		<i>74.3</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 BD10899 - EPA 3546 SVOA												
Matrix Spike (BD10899-MS1)	Matrix Spike	*Source sample: 21D0704-04 (Matrix Spike)						Prepared & Analyzed: 04/16/2021				
1,1-Biphenyl	0.565	0.0852	mg/kg dry	0.851	ND	66.3	10-130					
1,2,4,5-Tetrachlorobenzene	0.513	0.170	"	0.851	ND	60.2	10-133					
1,2,4-Trichlorobenzene	0.534	0.0852	"	0.851	ND	62.7	10-127					
1,2-Dichlorobenzene	0.533	0.0852	"	0.851	ND	62.6	14-111					
1,2-Diphenylhydrazine (as Azobenzene)	0.538	0.0852	"	0.851	ND	63.2	10-144					
1,3-Dichlorobenzene	0.498	0.0852	"	0.851	ND	58.5	11-111					
1,4-Dichlorobenzene	0.505	0.0852	"	0.851	ND	59.3	10-106					
2,3,4,6-Tetrachlorophenol	0.768	0.170	"	0.851	ND	90.2	30-130					
2,4,5-Trichlorophenol	0.616	0.0852	"	0.851	ND	72.4	10-127					
2,4,6-Trichlorophenol	0.684	0.0852	"	0.851	ND	80.3	10-132					
2,4-Dichlorophenol	0.584	0.0852	"	0.851	ND	68.6	10-128					
2,4-Dimethylphenol	0.627	0.0852	"	0.851	ND	73.7	10-137					
2,4-Dinitrophenol	ND	0.170	"	0.851	ND		10-171	Low Bias				
2,4-Dinitrotoluene	0.683	0.0852	"	0.851	ND	80.2	16-135					
2,6-Dinitrotoluene	0.686	0.0852	"	0.851	ND	80.6	18-131					
2-Chloronaphthalene	0.524	0.0852	"	0.851	ND	61.5	10-129					
2-Chlorophenol	0.524	0.0852	"	0.851	ND	61.5	15-116					
2-Methylnaphthalene	0.626	0.0852	"	0.851	ND	73.6	10-147					
2-Methylphenol	0.550	0.0852	"	0.851	ND	64.6	10-136					
2-Nitroaniline	0.674	0.170	"	0.851	ND	79.2	10-137					
2-Nitrophenol	0.696	0.0852	"	0.851	ND	81.8	10-129					
3- & 4-Methylphenols	0.475	0.0852	"	0.851	ND	55.8	10-123					
3,3-Dichlorobenzidine	0.515	0.0852	"	0.851	ND	60.5	10-155					
3-Nitroaniline	0.578	0.170	"	0.851	ND	67.9	12-133					
4,6-Dinitro-2-methylphenol	0.161	0.170	"	0.851	ND	19.0	10-155					
4-Bromophenyl phenyl ether	0.594	0.0852	"	0.851	ND	69.8	14-128					
4-Chloro-3-methylphenol	0.603	0.0852	"	0.851	ND	70.8	10-134					
4-Chloroaniline	0.372	0.0852	"	0.851	ND	43.7	10-145					
4-Chlorophenyl phenyl ether	0.560	0.0852	"	0.851	ND	65.8	14-130					
4-Nitroaniline	0.671	0.170	"	0.851	ND	78.8	10-147					
4-Nitrophenol	0.562	0.170	"	0.851	ND	66.1	10-137					
Acenaphthene	0.554	0.0852	"	0.851	ND	65.1	10-146					
Acenaphthylene	0.577	0.0852	"	0.851	ND	67.8	10-134					
Acetophenone	0.550	0.0852	"	0.851	ND	64.6	10-116					
Aniline	0.388	0.341	"	0.851	ND	45.6	10-123					
Anthracene	0.637	0.0852	"	0.851	ND	74.9	10-142					
Atrazine	0.686	0.0852	"	0.851	ND	80.6	19-115					
Benzaldehyde	0.695	0.0852	"	0.851	ND	81.7	10-125					
Benzo(a)anthracene	0.691	0.0852	"	0.851	0.0543	74.8	10-158					
Benzo(a)pyrene	0.936	0.0852	"	0.851	0.0610	103	10-180					
Benzo(b)fluoranthene	0.836	0.0852	"	0.851	0.0455	92.9	10-200					
Benzo(g,h,i)perylene	0.812	0.0852	"	0.851	0.0449	90.2	10-138					
Benzo(k)fluoranthene	0.788	0.0852	"	0.851	0.0455	87.2	10-197					
Benzoic acid	0.223	0.0852	"	0.851	ND	26.2	10-166					
Benzyl alcohol	0.578	0.0852	"	0.851	ND	67.9	12-124					
Benzyl butyl phthalate	0.652	0.0852	"	0.851	ND	76.6	10-154					
Bis(2-chloroethoxy)methane	0.556	0.0852	"	0.851	ND	65.4	10-132					
Bis(2-chloroethyl)ether	0.555	0.0852	"	0.851	ND	65.2	10-119					
Bis(2-chloroisopropyl)ether	0.626	0.0852	"	0.851	ND	73.5	10-139					
Bis(2-ethylhexyl)phthalate	0.750	0.0852	"	0.851	0.0536	81.9	10-167					
Caprolactam	0.671	0.170	"	0.851	ND	78.8	10-132					



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
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Batch BD10899 - EPA 3546 SVOA

Matrix Spike (BD10899-MS1)	Matrix Spike	*Source sample: 21D0704-04 (Matrix Spike)						Prepared & Analyzed: 04/16/2021			
Carbazole	0.621	0.0852	mg/kg dry	0.851	ND	73.0	10-167				
Chrysene	0.676	0.0852	"	0.851	0.0509	73.5	10-156				
Dibenzo(a,h)anthracene	0.753	0.0852	"	0.851	ND	88.5	10-137				
Dibenzofuran	0.597	0.0852	"	0.851	ND	70.2	10-147				
Diethyl phthalate	0.569	0.0852	"	0.851	ND	66.9	20-120				
Dimethyl phthalate	0.535	0.0852	"	0.851	ND	62.8	18-131				
Di-n-butyl phthalate	0.639	0.0852	"	0.851	ND	75.0	10-137				
Di-n-octyl phthalate	0.829	0.0852	"	0.851	ND	97.4	10-180				
Fluoranthene	0.719	0.0852	"	0.851	0.0750	75.7	10-160				
Fluorene	0.592	0.0852	"	0.851	ND	69.5	10-157				
Hexachlorobenzene	0.558	0.0852	"	0.851	ND	65.6	10-137				
Hexachlorobutadiene	0.526	0.0852	"	0.851	ND	61.8	10-132				
Hexachlorocyclopentadiene	0.154	0.0852	"	0.851	ND	18.1	10-106				
Hexachloroethane	0.428	0.0852	"	0.851	ND	50.3	10-110				
Indeno(1,2,3-cd)pyrene	0.808	0.0852	"	0.851	0.0435	89.8	10-144				
Isophorone	0.516	0.0852	"	0.851	ND	60.6	10-132				
Naphthalene	0.579	0.0852	"	0.851	ND	68.0	10-141				
Nitrobenzene	0.528	0.0852	"	0.851	ND	62.0	10-131				
N-Nitrosodimethylamine	0.451	0.0852	"	0.851	ND	53.0	10-126				
N-nitroso-di-n-propylamine	0.490	0.0852	"	0.851	ND	57.6	10-125				
N-Nitrosodiphenylamine	0.714	0.0852	"	0.851	ND	83.9	10-177				
Pentachlorophenol	0.458	0.0852	"	0.851	ND	53.8	10-153				
Phenanthrene	0.614	0.0852	"	0.851	ND	72.2	10-148				
Phenol	0.556	0.0852	"	0.851	ND	65.4	10-126				
Pyrene	0.664	0.0852	"	0.851	0.0690	69.9	10-165				
Pyridine	0.334	0.341	"	0.851	ND	39.2	10-83				
Surrogate: SURR: 2-Fluorophenol	0.997		"	1.70		58.6	20-108				
Surrogate: SURR: Phenol-d5	0.982		"	1.70		57.7	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.602		"	0.851		70.7	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.601		"	0.851		70.6	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.79		"	1.70		105	19-110				
Surrogate: SURR: Terphenyl-d14	0.743		"	0.851		87.3	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 BD10899 - EPA 3546 SVOA											
Matrix Spike Dup (BD10899-1) Matrix Spike Dup						Source sample: 21D0704-04 (Matrix Spike Dup)					
						Prepared & Analyzed: 04/16/2021					
1,1-Biphenyl	0.614	0.0852	mg/kg dry	0.851	ND	72.2	10-130		8.43	30	
1,2,4,5-Tetrachlorobenzene	0.555	0.170	"	0.851	ND	65.2	10-133		7.91	30	
1,2,4-Trichlorobenzene	0.551	0.0852	"	0.851	ND	64.7	10-127		3.14	30	
1,2-Dichlorobenzene	0.511	0.0852	"	0.851	ND	60.0	14-111		4.18	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.581	0.0852	"	0.851	ND	68.2	10-144		7.67	30	
1,3-Dichlorobenzene	0.486	0.0852	"	0.851	ND	57.1	11-111		2.35	30	
1,4-Dichlorobenzene	0.498	0.0852	"	0.851	ND	58.6	10-106		1.22	30	
2,3,4,6-Tetrachlorophenol	0.898	0.170	"	0.851	ND	105	30-130		15.5	30	
2,4,5-Trichlorophenol	0.699	0.0852	"	0.851	ND	82.1	10-127		12.5	30	
2,4,6-Trichlorophenol	0.715	0.0852	"	0.851	ND	84.0	10-132		4.48	30	
2,4-Dichlorophenol	0.617	0.0852	"	0.851	ND	72.5	10-128		5.56	30	
2,4-Dimethylphenol	0.647	0.0852	"	0.851	ND	76.0	10-137		3.10	30	
2,4-Dinitrophenol	ND	0.170	"	0.851	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.755	0.0852	"	0.851	ND	88.7	16-135		10.0	30	
2,6-Dinitrotoluene	0.759	0.0852	"	0.851	ND	89.2	18-131		10.1	30	
2-Chloronaphthalene	0.586	0.0852	"	0.851	ND	68.9	10-129		11.3	30	
2-Chlorophenol	0.556	0.0852	"	0.851	ND	65.4	15-116		6.05	30	
2-Methylnaphthalene	0.633	0.0852	"	0.851	ND	74.4	10-147		1.08	30	
2-Methylphenol	0.585	0.0852	"	0.851	ND	68.7	10-136		6.24	30	
2-Nitroaniline	0.737	0.170	"	0.851	ND	86.6	10-137		8.97	30	
2-Nitrophenol	0.692	0.0852	"	0.851	ND	81.3	10-129		0.589	30	
3- & 4-Methylphenols	0.496	0.0852	"	0.851	ND	58.3	10-123		4.34	30	
3,3-Dichlorobenzidine	0.626	0.0852	"	0.851	ND	73.5	10-155		19.5	30	
3-Nitroaniline	0.623	0.170	"	0.851	ND	73.2	12-133		7.48	30	
4,6-Dinitro-2-methylphenol	ND	0.170	"	0.851	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.641	0.0852	"	0.851	ND	75.4	14-128		7.72	30	
4-Chloro-3-methylphenol	0.640	0.0852	"	0.851	ND	75.2	10-134		6.03	30	
4-Chloroaniline	0.387	0.0852	"	0.851	ND	45.4	10-145		3.95	30	
4-Chlorophenyl phenyl ether	0.617	0.0852	"	0.851	ND	72.5	14-130		9.72	30	
4-Nitroaniline	0.784	0.170	"	0.851	ND	92.2	10-147		15.6	30	
4-Nitrophenol	0.586	0.170	"	0.851	ND	68.9	10-137		4.15	30	
Acenaphthene	0.592	0.0852	"	0.851	ND	69.5	10-146		6.54	30	
Acenaphthylene	0.636	0.0852	"	0.851	ND	74.7	10-134		9.77	30	
Acetophenone	0.558	0.0852	"	0.851	ND	65.5	10-116		1.35	30	
Aniline	0.396	0.341	"	0.851	ND	46.6	10-123		2.08	30	
Anthracene	0.729	0.0852	"	0.851	ND	85.6	10-142		13.4	30	
Atrazine	0.752	0.0852	"	0.851	ND	88.4	19-115		9.18	30	
Benzaldehyde	0.741	0.0852	"	0.851	ND	87.0	10-125		6.35	30	
Benzo(a)anthracene	0.802	0.0852	"	0.851	0.0543	87.9	10-158		14.9	30	
Benzo(a)pyrene	0.959	0.0852	"	0.851	0.0610	105	10-180		2.37	30	
Benzo(b)fluoranthene	0.856	0.0852	"	0.851	0.0455	95.2	10-200		2.33	30	
Benzo(g,h,i)perylene	1.02	0.0852	"	0.851	0.0449	115	10-138		23.1	30	
Benzo(k)fluoranthene	0.809	0.0852	"	0.851	0.0455	89.7	10-197		2.64	30	
Benzoic acid	0.238	0.0852	"	0.851	ND	27.9	10-166		6.20	30	
Benzyl alcohol	0.621	0.0852	"	0.851	ND	73.0	12-124		7.16	30	
Benzyl butyl phthalate	0.721	0.0852	"	0.851	ND	84.7	10-154		10.1	30	
Bis(2-chloroethoxy)methane	0.543	0.0852	"	0.851	ND	63.8	10-132		2.48	30	
Bis(2-chloroethyl)ether	0.543	0.0852	"	0.851	ND	63.8	10-119		2.23	30	
Bis(2-chloroisopropyl)ether	0.592	0.0852	"	0.851	ND	69.6	10-139		5.48	30	
Bis(2-ethylhexyl)phthalate	0.800	0.0852	"	0.851	0.0536	87.7	10-167		6.41	30	
Caprolactam	0.661	0.170	"	0.851	ND	77.6	10-132		1.53	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
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Batch BD10899 - EPA 3546 SVOA

Matrix Spike Dup (BD10899-1) Matrix Spike Dup Source sample: 21D0704-04 (Matrix Spike Dup)

Prepared & Analyzed: 04/16/2021

Carbazole	0.683	0.0852	mg/kg dry	0.851	ND	80.2	10-167		9.50	30	
Chrysene	0.804	0.0852	"	0.851	0.0509	88.4	10-156		17.2	30	
Dibenzo(a,h)anthracene	0.948	0.0852	"	0.851	ND	111	10-137		22.9	30	
Dibenzofuran	0.633	0.0852	"	0.851	ND	74.4	10-147		5.87	30	
Diethyl phthalate	0.632	0.0852	"	0.851	ND	74.2	20-120		10.4	30	
Dimethyl phthalate	0.592	0.0852	"	0.851	ND	69.6	18-131		10.3	30	
Di-n-butyl phthalate	0.703	0.0852	"	0.851	ND	82.6	10-137		9.54	30	
Di-n-octyl phthalate	0.876	0.0852	"	0.851	ND	103	10-180		5.51	30	
Fluoranthene	0.913	0.0852	"	0.851	0.0750	98.5	10-160		23.8	30	
Fluorene	0.663	0.0852	"	0.851	ND	77.9	10-157		11.4	30	
Hexachlorobenzene	0.627	0.0852	"	0.851	ND	73.7	10-137		11.6	30	
Hexachlorobutadiene	0.558	0.0852	"	0.851	ND	65.6	10-132		6.03	30	
Hexachlorocyclopentadiene	0.146	0.0852	"	0.851	ND	17.1	10-106		5.45	30	
Hexachloroethane	0.431	0.0852	"	0.851	ND	50.6	10-110		0.634	30	
Indeno(1,2,3-cd)pyrene	1.06	0.0852	"	0.851	0.0435	120	10-144		27.2	30	
Isophorone	0.542	0.0852	"	0.851	ND	63.7	10-132		4.89	30	
Naphthalene	0.592	0.0852	"	0.851	ND	69.5	10-141		2.21	30	
Nitrobenzene	0.528	0.0852	"	0.851	ND	62.1	10-131		0.129	30	
N-Nitrosodimethylamine	0.439	0.0852	"	0.851	ND	51.6	10-126		2.60	30	
N-nitroso-di-n-propylamine	0.508	0.0852	"	0.851	ND	59.7	10-125		3.55	30	
N-Nitrosodiphenylamine	0.767	0.0852	"	0.851	ND	90.1	10-177		7.08	30	
Pentachlorophenol	0.400	0.0852	"	0.851	ND	47.0	10-153		13.7	30	
Phenanthrene	0.780	0.0852	"	0.851	ND	91.6	10-148		23.7	30	
Phenol	0.555	0.0852	"	0.851	ND	65.2	10-126		0.245	30	
Pyrene	0.841	0.0852	"	0.851	0.0690	90.7	10-165		23.5	30	
Pyridine	0.297	0.341	"	0.851	ND	34.9	10-83		11.7	30	
Surrogate: SURR: 2-Fluorophenol	1.02		"	1.70		60.2	20-108				
Surrogate: SURR: Phenol-d5	1.06		"	1.70		62.1	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.586		"	0.851		68.9	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.650		"	0.851		76.3	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.94		"	1.70		114	19-110				
Surrogate: SURR: Terphenyl-d14	0.816		"	0.851		95.8	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 BD10900 - EPA 3550C												
Blank (BD10900-BLK1)	Blank								Prepared & Analyzed: 04/16/2021			
1,4-Dioxane	ND	9.90	ug/kg									
<i>Surrogate: 1,4-Dioxane-d8</i>	277		"	495		56.0	39-127.5					
LCS (BD10900-BS1)	LCS								Prepared & Analyzed: 04/16/2021			
1,4-Dioxane	535	9.90	ug/kg	495		108	40-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	248		"	495		50.0	39-127.5					
Matrix Spike (BD10900-MS1)	Matrix Spike	*Source sample: 21D0652-01 (Matrix Spike)								Prepared & Analyzed: 04/16/2021		
1,4-Dioxane	549	9.90	ug/kg	495	ND	111	40-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	277		"	495		56.0	40-130					
Matrix Spike Dup (BD10900-MS1)	Matrix Spike Dup	*Source sample: 21D0652-01 (Matrix Spike Dup)								Prepared & Analyzed: 04/16/2021		
1,4-Dioxane	552	9.90	ug/kg	495	ND	112	40-130		0.719	30		
<i>Surrogate: 1,4-Dioxane-d8</i>	257		"	495		52.0	40-130					
Batch BD10959 - EPA 3535A												
Blank (BD10959-BLK1)	Blank								Prepared & Analyzed: 04/19/2021			
1,4-Dioxane	ND	0.300	ug/L									
<i>Surrogate: 1,4-Dioxane-d8</i>	2.88		"	4.00		72.0	36.6-118					
LCS (BD10959-BS1)	LCS								Prepared & Analyzed: 04/19/2021			
1,4-Dioxane	4.50	0.300	ug/L	4.00		112	50-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	2.56		"	4.00		64.0	36.6-118					
Matrix Spike (BD10959-MS1)	Matrix Spike	*Source sample: 21D0604-15 (077_FB-3)								Prepared & Analyzed: 04/19/2021		
1,4-Dioxane	4.21	0.300	ug/L	4.00	ND	105	50-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	3.20		"	4.00		80.0	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 BD10959 - EPA 3535A											
Matrix Spike Dup (BD10959-1) Matrix Spike Dup						Source sample: 21D0604-15 (077_FB-3)					
						Prepared & Analyzed: 04/19/2021					
1,4-Dioxane	4.67	0.300	ug/L	4.00	ND	117	50-130		10.5	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	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit			Result					Limit	

Batch BD10734 - SPE Ext-PFAS-EPA 537.1M

Blank (BD10734-BLK1)	Blank	Prepared: 04/14/2021 Analyzed: 04/15/2021									
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 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	81.9		"	74.3		110	25-150				
Surrogate: M5PFHxA	86.6		"	80.0		108	25-150				
Surrogate: M4PFHpA	87.3		"	80.0		109	25-150				
Surrogate: M3PFHxS	85.1		"	75.7		112	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	96.5		"	80.0		121	25-150				
Surrogate: M6PFDA	95.0		"	80.0		119	25-150				
Surrogate: M7PFUdA	87.5		"	80.0		109	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	75.3		"	80.0		94.1	25-150				
Surrogate: M2PFTeDA	47.6		"	80.0		59.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	84.4		"	80.0		106	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	77.1		"	76.6		101	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	85.2		"	80.0		106	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	21.9		"	80.0		27.4	10-150				
Surrogate: d3-N-MeFOSAA	70.6		"	80.0		88.2	25-150				
Surrogate: d5-N-EtFOSAA	90.2		"	80.0		113	25-150				
Surrogate: M2-6:2 FTS	82.1		"	75.9		108	25-150				
Surrogate: M2-8:2 FTS	97.6		"	76.6		127	25-150				
Surrogate: M9PFNA	58.1		"	80.0		72.6	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BD10734 - SPE Ext-PFAS-EPA 537.1M

LCS (BD10734-BS1)	LCS	Prepared: 04/14/2021 Analyzed: 04/15/2021									
Perfluorobutanesulfonic acid (PFBS)	69.9	2.00	ng/L	70.8		98.7	50-130				
Perfluorohexanoic acid (PFHxA)	76.9	2.00	"	80.0		96.2	50-130				
Perfluoroheptanoic acid (PFHpA)	75.3	2.00	"	80.0		94.1	50-130				
Perfluorohexanesulfonic acid (PFHxS)	68.3	2.00	"	73.0		93.7	50-130				
Perfluorooctanoic acid (PFOA)	73.3	2.00	"	80.0		91.6	50-130				
Perfluorooctanesulfonic acid (PFOS)	70.9	2.00	"	74.1		95.7	50-130				
Perfluorononanoic acid (PFNA)	72.6	2.00	"	80.0		90.7	50-130				
Perfluorodecanoic acid (PFDA)	73.2	2.00	"	80.0		91.5	50-130				
Perfluoroundecanoic acid (PFUnA)	75.2	2.00	"	80.0		94.0	50-130				
Perfluorododecanoic acid (PFDoA)	73.9	2.00	"	80.0		92.4	50-130				
Perfluorotridecanoic acid (PFTriDA)	49.1	2.00	"	80.0		61.4	50-130				
Perfluorotetradecanoic acid (PFTA)	76.5	2.00	"	80.0		95.6	50-130				
N-MeFOSAA	78.8	2.00	"	80.0		98.5	50-130				
N-EtFOSAA	78.3	2.00	"	80.0		97.8	50-130				
Perfluoropentanoic acid (PFPeA)	76.0	2.00	"	80.0		95.0	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	77.7	2.00	"	80.0		97.1	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	81.6	2.00	"	76.0		107	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	60.5	2.00	"	77.2		78.4	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	72.1	5.00	"	76.0		94.9	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	71.3	2.00	"	76.8		92.9	50-130				
Perfluoro-n-butanoic acid (PFBA)	77.1	2.00	"	80.0		96.3	50-130				
Surrogate: M3PFBS	85.5		"	74.3		115	25-150				
Surrogate: M5PFHxA	94.7		"	80.0		118	25-150				
Surrogate: M4PFHpA	96.6		"	80.0		121	25-150				
Surrogate: M3PFHxS	96.3		"	75.7		127	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	101		"	80.0		127	25-150				
Surrogate: M6PFDA	89.3		"	80.0		112	25-150				
Surrogate: M7PFUdA	83.3		"	80.0		104	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	70.9		"	80.0		88.7	25-150				
Surrogate: M2PFTeDA	21.9		"	80.0		27.4	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	91.1		"	80.0		114	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	91.2		"	76.6		119	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	92.4		"	80.0		115	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	37.9		"	80.0		47.4	10-150				
Surrogate: d3-N-MeFOSAA	65.6		"	80.0		82.1	25-150				
Surrogate: d5-N-EtFOSAA	61.3		"	80.0		76.7	25-150				
Surrogate: M2-6:2 FTS	85.5		"	75.9		113	25-150				
Surrogate: M2-8:2 FTS	90.4		"	76.6		118	25-150				
Surrogate: M9PFNA	98.9		"	80.0		124	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit								RPD	Limit	Flag
Batch BD10734 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BD10734-BSD1)		LCS Dup		Prepared: 04/14/2021 Analyzed: 04/15/2021							
Perfluorobutanesulfonic acid (PFBS)	67.8	2.00	ng/L	70.8		95.7		50-130		3.04	30
Perfluorohexanoic acid (PFHxA)	75.4	2.00	"	80.0		94.2		50-130		2.07	30
Perfluoroheptanoic acid (PFHpA)	74.0	2.00	"	80.0		92.6		50-130		1.64	30
Perfluorohexanesulfonic acid (PFHxS)	66.6	2.00	"	73.0		91.2		50-130		2.63	30
Perfluorooctanoic acid (PFOA)	73.5	2.00	"	80.0		91.9		50-130		0.264	30
Perfluorooctanesulfonic acid (PFOS)	67.7	2.00	"	74.1		91.3		50-130		4.62	30
Perfluorononanoic acid (PFNA)	71.1	2.00	"	80.0		88.9		50-130		2.07	30
Perfluorodecanoic acid (PFDA)	74.4	2.00	"	80.0		93.0		50-130		1.56	30
Perfluoroundecanoic acid (PFUnA)	70.5	2.00	"	80.0		88.1		50-130		6.41	30
Perfluorododecanoic acid (PFDoA)	74.2	2.00	"	80.0		92.8		50-130		0.465	30
Perfluorotridecanoic acid (PFTriDA)	61.4	2.00	"	80.0		76.8		50-130		22.3	30
Perfluorotetradecanoic acid (PFTA)	73.7	2.00	"	80.0		92.1		50-130		3.67	30
N-MeFOSAA	76.2	2.00	"	80.0		95.2		50-130		3.37	30
N-EtFOSAA	73.6	2.00	"	80.0		92.0		50-130		6.19	30
Perfluoropentanoic acid (PFPeA)	74.1	2.00	"	80.0		92.6		50-130		2.55	30
Perfluoro-1-octanesulfonamide (FOSA)	71.6	2.00	"	80.0		89.5		50-130		8.19	30
Perfluoro-1-heptanesulfonic acid (PFHpS)	76.4	2.00	"	76.0		100		50-130		6.60	30
Perfluoro-1-decanesulfonic acid (PFDS)	66.5	2.00	"	77.2		86.1		50-130		9.35	30
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	66.4	5.00	"	76.0		87.4		50-130		8.20	30
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	66.2	2.00	"	76.8		86.2		50-130		7.51	30
Perfluoro-n-butanoic acid (PFBA)	75.5	2.00	"	80.0		94.4		50-130		2.02	30
Surrogate: M3PFBS	88.1		"	74.3		119		25-150			
Surrogate: M5PFHxA	96.5		"	80.0		121		25-150			
Surrogate: M4PFHpA	98.0		"	80.0		122		25-150			
Surrogate: M3PFHxS	97.9		"	75.7		129		25-150			
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	101		"	80.0		126		25-150			
Surrogate: M6PFDA	92.5		"	80.0		116		25-150			
Surrogate: M7PFUdA	90.6		"	80.0		113		25-150			
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	82.0		"	80.0		103		25-150			
Surrogate: M2PFTeDA	47.5		"	80.0		59.4		10-150			
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	92.3		"	80.0		115		25-150			
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	95.5		"	76.6		125		25-150			
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	94.8		"	80.0		118		25-150			
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	33.8		"	80.0		42.2		10-150			
Surrogate: d3-N-MeFOSAA	68.2		"	80.0		85.2		25-150			
Surrogate: d5-N-EtFOSAA	71.0		"	80.0		88.7		25-150			
Surrogate: M2-6:2 FTS	90.3		"	75.9		119		25-150			
Surrogate: M2-8:2 FTS	87.0		"	76.6		113		25-150			
Surrogate: M9PFNA	99.3		"	80.0		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
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Batch BD10778 - SPE PFAS Extraction-Soil-EPA 537m

Blank (BD10778-BLK1)	Blank	Prepared: 04/14/2021 Analyzed: 04/16/2021									
Perfluorobutanesulfonic acid (PFBS)	ND	0.496	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.496	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.496	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.496	"								
Perfluorooctanoic acid (PFOA)	ND	0.496	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.496	"								
Perfluorononanoic acid (PFNA)	ND	0.496	"								
Perfluorodecanoic acid (PFDA)	ND	0.496	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.496	"								
Perfluorododecanoic acid (PFDoA)	ND	0.496	"								
Perfluorotridecanoic acid (PFTriDA)	ND	0.496	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.496	"								
N-MeFOSAA	ND	0.496	"								
N-EtFOSAA	ND	0.496	"								
Perfluoropentanoic acid (PFPeA)	ND	0.496	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.496	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.496	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.496	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	0.496	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	0.496	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.496	"								
Surrogate: M3PFBS	4.37		"	4.61		94.8	25-150				
Surrogate: M5PFHxA	4.95		"	4.96		99.7	25-150				
Surrogate: M4PFHpA	4.93		"	4.96		99.3	25-150				
Surrogate: M3PFHxS	4.64		"	4.70		98.9	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	5.63		"	4.96		113	25-150				
Surrogate: M6PFDA	4.79		"	4.96		96.5	25-150				
Surrogate: M7PFUdA	3.79		"	4.96		76.4	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.67		"	4.96		73.8	25-150				
Surrogate: M2PFTeDA	2.83		"	4.96		57.1	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.68		"	4.96		94.4	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.52		"	4.75		74.2	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.91		"	4.96		99.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.98		"	4.96		60.0	10-150				
Surrogate: d3-N-MeFOSAA	4.35		"	4.96		87.6	25-150				
Surrogate: d5-N-EtFOSAA	5.19		"	4.96		104	25-150				
Surrogate: M2-6:2 FTS	4.94		"	4.71		105	25-150				
Surrogate: M2-8:2 FTS	5.41		"	4.76		114	25-150				
Surrogate: M9PFNA	2.50		"	4.96		50.4	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	Limits	Flag	RPD	Limit	Flag
		Limit			Result	%REC			RPD		
Batch BD10778 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BD10778-BS1)	LCS	Prepared: 04/14/2021 Analyzed: 04/16/2021									
Perfluorobutanesulfonic acid (PFBS)	4.07	0.485	ug/kg wet	4.29		94.8	50-130				
Perfluorohexanoic acid (PFHxA)	4.59	0.485	"	4.85		94.8	50-130				
Perfluoroheptanoic acid (PFHpA)	4.59	0.485	"	4.85		94.7	50-130				
Perfluorohexanesulfonic acid (PFHxS)	4.32	0.485	"	4.42		97.8	50-130				
Perfluorooctanoic acid (PFOA)	4.77	0.485	"	4.85		98.5	50-130				
Perfluorooctanesulfonic acid (PFOS)	4.38	0.485	"	4.49		97.7	50-130				
Perfluorononanoic acid (PFNA)	4.32	0.485	"	4.85		89.1	50-130				
Perfluorodecanoic acid (PFDA)	4.54	0.485	"	4.85		93.6	50-130				
Perfluoroundecanoic acid (PFUnA)	4.53	0.485	"	4.85		93.5	50-130				
Perfluorododecanoic acid (PFDoA)	4.70	0.485	"	4.85		96.9	50-130				
Perfluorotridecanoic acid (PFTriDA)	4.77	0.485	"	4.85		98.5	50-130				
Perfluorotetradecanoic acid (PFTA)	4.59	0.485	"	4.85		94.8	50-130				
N-MeFOSAA	4.69	0.485	"	4.85		96.7	50-130				
N-EtFOSAA	3.94	0.485	"	4.85		81.4	50-130				
Perfluoropentanoic acid (PFPeA)	4.59	0.485	"	4.85		94.6	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.70	0.485	"	4.85		96.9	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.11	0.485	"	4.60		111	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	3.64	0.485	"	4.68		77.9	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	4.75	0.485	"	4.60		103	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	3.83	0.485	"	4.65		82.4	50-130				
Perfluoro-n-butanoic acid (PFBA)	4.62	0.485	"	4.85		95.4	50-130				
Surrogate: M3PFBS	4.74		"	4.50		105	25-150				
Surrogate: M5PFHxA	5.16		"	4.85		107	25-150				
Surrogate: M4PFHpA	5.26		"	4.85		109	25-150				
Surrogate: M3PFHxS	4.88		"	4.58		106	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	5.29		"	4.85		109	25-150				
Surrogate: M6PFDA	4.79		"	4.85		98.8	25-150				
Surrogate: M7PFUdA	4.70		"	4.85		96.9	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.83		"	4.85		79.1	25-150				
Surrogate: M2PFTeDA	3.90		"	4.85		80.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	5.06		"	4.85		104	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	4.54		"	4.64		97.9	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.01		"	4.85		103	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.71		"	4.85		76.6	10-150				
Surrogate: d3-N-MeFOSAA	4.27		"	4.85		88.2	25-150				
Surrogate: d5-N-EtFOSAA	6.88		"	4.85		142	25-150				
Surrogate: M2-6:2 FTS	4.22		"	4.60		91.7	25-150				
Surrogate: M2-8:2 FTS	4.88		"	4.64		105	25-150				
Surrogate: M9PFNA	5.41		"	4.85		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
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Batch BD10778 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike (BD10778-MS1)	Matrix Spike	*Source sample: 21D0604-14 (076_LSB-25C)					Prepared: 04/14/2021 Analyzed: 04/17/2021	
Perfluorobutanesulfonic acid (PFBS)	5.13	0.598	ug/kg dry	5.29	ND	97.0	25-150	
Perfluorohexanoic acid (PFHxA)	5.59	0.598	"	5.98	ND	93.6	25-150	
Perfluoroheptanoic acid (PFHpA)	5.84	0.598	"	5.98	ND	97.8	25-150	
Perfluorohexanesulfonic acid (PFHxS)	5.08	0.598	"	5.45	ND	93.2	25-150	
Perfluorooctanoic acid (PFOA)	5.85	0.598	"	5.98	ND	98.0	25-150	
Perfluorooctanesulfonic acid (PFOS)	5.27	0.598	"	5.53	ND	95.2	25-150	
Perfluorononanoic acid (PFNA)	5.32	0.598	"	5.98	ND	89.0	25-150	
Perfluorodecanoic acid (PFDA)	5.92	0.598	"	5.98	ND	99.1	25-150	
Perfluoroundecanoic acid (PFUnA)	5.60	0.598	"	5.98	ND	93.6	25-150	
Perfluorododecanoic acid (PFDoA)	5.43	0.598	"	5.98	ND	90.8	25-150	
Perfluorotridecanoic acid (PFTriDA)	6.30	0.598	"	5.98	ND	105	25-150	
Perfluorotetradecanoic acid (PFTA)	5.66	0.598	"	5.98	ND	94.8	25-150	
N-MeFOSAA	6.22	0.598	"	5.98	ND	104	25-150	
N-EtFOSAA	5.98	0.598	"	5.98	ND	100	25-150	
Perfluoropentanoic acid (PFPeA)	5.54	0.598	"	5.98	ND	92.7	25-150	
Perfluoro-1-octanesulfonamide (FOSA)	5.74	0.598	"	5.98	ND	96.1	25-150	
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.37	0.598	"	5.68	ND	112	25-150	
Perfluoro-1-decanesulfonic acid (PFDS)	3.26	0.598	"	5.77	ND	56.5	25-150	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	4.96	0.598	"	5.68	ND	87.3	25-150	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	4.52	0.598	"	5.74	ND	78.8	25-150	
Perfluoro-n-butanoic acid (PFBA)	5.81	0.598	"	5.98	ND	97.3	25-150	
Surrogate: M3PFBS	5.43		"	5.55		97.8	25-150	
Surrogate: M5PFHxA	5.96		"	5.98		99.8	25-150	
Surrogate: M4PFHpA	5.95		"	5.98		99.7	25-150	
Surrogate: M3PFHxS	6.00		"	5.65		106	25-150	
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	6.25		"	5.98		105	25-150	
Surrogate: M6PFDA	5.15		"	5.98		86.1	25-150	
Surrogate: M7PFUdA	3.98		"	5.98		66.6	25-150	
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.67		"	5.98		61.4	25-150	
Surrogate: M2PFTeDA	4.22		"	5.98		70.6	10-150	
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	5.74		"	5.98		96.1	25-150	
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	5.35		"	5.72		93.5	25-150	
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.89		"	5.98		98.5	25-150	
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.04		"	5.98		50.8	10-150	
Surrogate: d3-N-MeFOSAA	3.56		"	5.98		59.5	25-150	
Surrogate: d5-N-EtFOSAA	6.02		"	5.98		101	25-150	
Surrogate: M2-6:2 FTS	5.32		"	5.67		93.8	25-150	
Surrogate: M2-8:2 FTS	5.78		"	5.72		101	25-150	
Surrogate: M9PFNA	6.34		"	5.98		106	25-150	



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit								Level	Result	Limit	Flag
Batch BD10778 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike Dup (BD10778-1 Matrix Spike Dup) Source sample: 21D0604-14 (076_LSB-25C)						Prepared: 04/14/2021 Analyzed: 04/17/2021					
Perfluorobutanesulfonic acid (PFBS)	4.92	0.595	ug/kg dry	5.26	ND	93.5	25-150			4.11	35
Perfluorohexanoic acid (PFHxA)	5.64	0.595	"	5.95	ND	94.9	25-150			0.913	35
Perfluoroheptanoic acid (PFHpA)	5.78	0.595	"	5.95	ND	97.2	25-150			1.07	35
Perfluorohexanesulfonic acid (PFHxS)	5.22	0.595	"	5.43	ND	96.2	25-150			2.73	35
Perfluorooctanoic acid (PFOA)	5.93	0.595	"	5.95	ND	99.7	25-150			1.31	35
Perfluorooctanesulfonic acid (PFOS)	4.39	0.595	"	5.51	ND	79.6	25-150			18.3	35
Perfluorononanoic acid (PFNA)	5.62	0.595	"	5.95	ND	94.5	25-150			5.53	35
Perfluorodecanoic acid (PFDA)	6.01	0.595	"	5.95	ND	101	25-150			1.52	35
Perfluoroundecanoic acid (PFUnA)	5.79	0.595	"	5.95	ND	97.4	25-150			3.47	35
Perfluorododecanoic acid (PFDoA)	5.70	0.595	"	5.95	ND	95.7	25-150			4.83	35
Perfluorotridecanoic acid (PFTriDA)	6.46	0.595	"	5.95	ND	109	25-150			2.58	35
Perfluorotetradecanoic acid (PFTA)	5.61	0.595	"	5.95	ND	94.3	25-150			0.910	35
N-MeFOSAA	6.56	0.595	"	5.95	ND	110	25-150			5.31	35
N-EtFOSAA	5.63	0.595	"	5.95	ND	94.6	25-150			6.16	35
Perfluoropentanoic acid (PFPeA)	5.72	0.595	"	5.95	ND	96.2	25-150			3.29	35
Perfluoro-1-octanesulfonamide (FOSA)	5.69	0.595	"	5.95	ND	95.6	25-150			0.987	35
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.39	0.595	"	5.65	ND	113	25-150			0.184	35
Perfluoro-1-decanesulfonic acid (PFDS)	3.50	0.595	"	5.74	ND	60.9	25-150			7.00	35
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	5.49	0.595	"	5.65	ND	97.1	25-150			10.2	35
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	5.58	0.595	"	5.71	ND	97.7	25-150			21.0	35
Perfluoro-n-butanoic acid (PFBA)	5.89	0.595	"	5.95	ND	99.1	25-150			1.39	35
Surrogate: M3PFBS	5.60		"	5.53		101	25-150				
Surrogate: M5PFHxA	6.01		"	5.95		101	25-150				
Surrogate: M4PFHpA	5.96		"	5.95		100	25-150				
Surrogate: M3PFHxS	5.89		"	5.63		105	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	6.03		"	5.95		101	25-150				
Surrogate: M6PFDA	4.99		"	5.95		83.8	25-150				
Surrogate: M7PFUdA	3.87		"	5.95		65.0	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	4.11		"	5.95		69.0	25-150				
Surrogate: M2PFTeDA	4.60		"	5.95		77.3	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	5.75		"	5.95		96.7	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	5.30		"	5.69		93.1	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.88		"	5.95		98.9	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.20		"	5.95		53.8	10-150				
Surrogate: d3-N-MeFOSAA	3.73		"	5.95		62.7	25-150				
Surrogate: d5-N-EtFOSAA	6.25		"	5.95		105	25-150				
Surrogate: M2-6:2 FTS	4.62		"	5.65		81.8	25-150				
Surrogate: M2-8:2 FTS	4.23		"	5.70		74.2	25-150				
Surrogate: M9PFNA	6.08		"	5.95		102	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
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Batch BD10856 - EPA 3550C

Blank (BD10856-BLK1)	Blank	Prepared: 04/15/2021 Analyzed: 04/19/2021									
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	"								

Surrogate: Decachlorobiphenyl	0.0572		"	0.0664		86.0	30-150				
Surrogate: Tetrachloro-m-xylene	0.0636		"	0.0664		95.8	30-150				

LCS (BD10856-BS1)	LCS	Prepared: 04/15/2021 Analyzed: 04/19/2021									
4,4'-DDD	0.0354	0.00164	mg/kg wet	0.0332		106	40-140				
4,4'-DDE	0.0309	0.00164	"	0.0332		93.1	40-140				
4,4'-DDT	0.0188	0.00164	"	0.0332		56.5	40-140				
Aldrin	0.0334	0.00164	"	0.0332		100	40-140				
alpha-BHC	0.0319	0.00164	"	0.0332		96.0	40-140				
alpha-Chlordane	0.0324	0.00164	"	0.0332		97.5	40-140				
beta-BHC	0.0315	0.00164	"	0.0332		94.7	40-140				
delta-BHC	0.0312	0.00164	"	0.0332		93.8	40-140				
Dieldrin	0.0331	0.00164	"	0.0332		99.7	40-140				
Endosulfan I	0.0344	0.00164	"	0.0332		103	40-140				
Endosulfan II	0.0327	0.00164	"	0.0332		98.4	40-140				
Endosulfan sulfate	0.0257	0.00164	"	0.0332		77.3	40-140				
Endrin	0.0297	0.00164	"	0.0332		89.3	40-140				
Endrin aldehyde	0.0281	0.00164	"	0.0332		84.6	40-140				
Endrin ketone	0.0301	0.00164	"	0.0332		90.7	40-140				
gamma-BHC (Lindane)	0.0316	0.00164	"	0.0332		95.1	40-140				
gamma-Chlordane	0.0317	0.00164	"	0.0332		95.3	40-140				
Heptachlor	0.0354	0.00164	"	0.0332		107	40-140				
Heptachlor epoxide	0.0328	0.00164	"	0.0332		98.7	40-140				
Methoxychlor	0.0172	0.00164	"	0.0332		51.6	40-140				

Surrogate: Decachlorobiphenyl	0.0591		"	0.0664		89.0	30-150				
Surrogate: Tetrachloro-m-xylene	0.0668		"	0.0664		101	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
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Batch BD10856 - EPA 3550C

Matrix Spike (BD10856-MS1)	Matrix Spike	*Source sample: 21D0604-04 (066_LSB-21A)					Prepared: 04/15/2021 Analyzed: 04/19/2021					
4,4'-DDD	0.0268	0.00184	mg/kg dry	0.0373	ND	71.8	30-150					
4,4'-DDE	0.0238	0.00184	"	0.0373	ND	63.8	30-150					
4,4'-DDT	0.0196	0.00184	"	0.0373	0.00660	35.0	30-150					
Aldrin	0.0221	0.00184	"	0.0373	ND	59.2	30-150					
alpha-BHC	0.0288	0.00184	"	0.0373	ND	77.3	30-150					
alpha-Chlordane	0.0356	0.00184	"	0.0373	0.0250	28.4	30-150	Low Bias				
beta-BHC	0.0306	0.00184	"	0.0373	ND	82.0	30-150					
delta-BHC	0.0259	0.00184	"	0.0373	ND	69.5	30-150					
Dieldrin	0.0306	0.00184	"	0.0373	ND	82.0	30-150					
Endosulfan I	0.0285	0.00184	"	0.0373	ND	76.6	30-150					
Endosulfan II	0.0280	0.00184	"	0.0373	ND	75.2	30-150					
Endosulfan sulfate	0.0407	0.00184	"	0.0373	ND	109	30-150					
Endrin	0.0271	0.00184	"	0.0373	ND	72.8	30-150					
Endrin aldehyde	0.0252	0.00184	"	0.0373	ND	67.5	30-150					
Endrin ketone	0.0303	0.00184	"	0.0373	ND	81.2	30-150					
gamma-BHC (Lindane)	0.0290	0.00184	"	0.0373	ND	77.8	30-150					
gamma-Chlordane	0.0317	0.00184	"	0.0373	0.0198	31.9	30-150					
Heptachlor	0.0295	0.00184	"	0.0373	ND	79.1	30-150					
Heptachlor epoxide	0.0310	0.00184	"	0.0373	ND	83.1	30-150					
Methoxychlor	0.0205	0.00184	"	0.0373	ND	55.0	30-150					
Surrogate: Decachlorobiphenyl	0.0399		"	0.0745		53.5	30-150					
Surrogate: Tetrachloro-m-xylene	0.0352		"	0.0745		47.2	30-150					

Matrix Spike Dup (BD10856-1)	Matrix Spike Dup	*Source sample: 21D0604-04 (066_LSB-21A)					Prepared: 04/15/2021 Analyzed: 04/19/2021					
4,4'-DDD	0.0273	0.00184	mg/kg dry	0.0373	ND	73.2	30-150		1.83	30		
4,4'-DDE	0.0244	0.00184	"	0.0373	ND	65.5	30-150		2.69	30		
4,4'-DDT	0.0189	0.00184	"	0.0373	0.00660	33.0	30-150		3.77	30		
Aldrin	0.0229	0.00184	"	0.0373	ND	61.5	30-150		3.78	30		
alpha-BHC	0.0296	0.00184	"	0.0373	ND	79.4	30-150		2.73	30		
alpha-Chlordane	0.0362	0.00184	"	0.0373	0.0250	30.2	30-150		1.86	30		
beta-BHC	0.0304	0.00184	"	0.0373	ND	81.7	30-150		0.379	30		
delta-BHC	0.0259	0.00184	"	0.0373	ND	69.5	30-150		0.0576	30		
Dieldrin	0.0310	0.00184	"	0.0373	ND	83.2	30-150		1.38	30		
Endosulfan I	0.0292	0.00184	"	0.0373	ND	78.5	30-150		2.46	30		
Endosulfan II	0.0287	0.00184	"	0.0373	ND	77.0	30-150		2.44	30		
Endosulfan sulfate	0.0319	0.00184	"	0.0373	ND	85.7	30-150		24.1	30		
Endrin	0.0275	0.00184	"	0.0373	ND	73.7	30-150		1.29	30		
Endrin aldehyde	0.0252	0.00184	"	0.0373	ND	67.6	30-150		0.170	30		
Endrin ketone	0.0307	0.00184	"	0.0373	ND	82.4	30-150		1.42	30		
gamma-BHC (Lindane)	0.0295	0.00184	"	0.0373	ND	79.2	30-150		1.85	30		
gamma-Chlordane	0.0315	0.00184	"	0.0373	0.0198	31.2	30-150		0.749	30		
Heptachlor	0.0300	0.00184	"	0.0373	ND	80.6	30-150		1.87	30		
Heptachlor epoxide	0.0252	0.00184	"	0.0373	ND	67.7	30-150		20.5	30		
Methoxychlor	0.0219	0.00184	"	0.0373	ND	58.8	30-150		6.71	30		
Surrogate: Decachlorobiphenyl	0.0593		"	0.0745		79.6	30-150					
Surrogate: Tetrachloro-m-xylene	0.0359		"	0.0745		48.2	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
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Batch Y1D0212 - BC11630

Performance Mix (Y1D0212-F Performance Mix)							Prepared & Analyzed: 04/01/2021				
4,4'-DDD	10.7		ng/mL	0.00			0-200				
4,4'-DDE	0.811		"	0.00			0-200				
4,4'-DDT	247		"	200		123	0-200				
Endrin	129		"	100		129	0-200				
Endrin aldehyde	0.667		"	0.00			0-200				
Endrin ketone	2.54		"	0.00			0-200				

Batch Y1D2015 - BD10856

Performance Mix (Y1D2015-F Performance Mix)							Prepared & Analyzed: 04/19/2021				
4,4'-DDD	6.69		ng/mL	0.00			0-200				
4,4'-DDE	1.17		"	0.00			0-200				
4,4'-DDT	130		"	200		65.0	0-200				
Endrin	72.1		"	100		72.1	0-200				
Endrin aldehyde	0.169		"	0.00			0-200				
Endrin ketone	3.21		"	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 BD10856 - EPA 3550C												
Blank (BD10856-BLK2)	Blank								Prepared: 04/15/2021 Analyzed: 04/16/2021			
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	"									
Total PCBs	ND	0.0166	"									
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0595		"	0.0664		89.5	30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.0488		"	0.0664		73.5	30-120					
LCS (BD10856-BS2)	LCS								Prepared: 04/15/2021 Analyzed: 04/16/2021			
Aroclor 1016	0.318	0.0166	mg/kg wet	0.332		95.8	40-130					
Aroclor 1260	0.312	0.0166	"	0.332		93.8	40-130					
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0608		"	0.0664		91.5	30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.0482		"	0.0664		72.5	30-120					
Matrix Spike (BD10856-MS2)	Matrix Spike	*Source sample: 21D0604-04 (066_LSB-21A)						Prepared: 04/15/2021 Analyzed: 04/16/2021				
Aroclor 1016	0.242	0.0186	mg/kg dry	0.373	ND	65.1	40-140					
Aroclor 1260	0.246	0.0186	"	0.373	0.0731	46.5	40-140					
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0589		"	0.0745		79.0	30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.0343		"	0.0745		46.0	30-120					
Matrix Spike Dup (BD10856-1)	Matrix Spike Dup	*Source sample: 21D0604-04 (066_LSB-21A)						Prepared: 04/15/2021 Analyzed: 04/16/2021				
Aroclor 1016	0.191	0.0186	mg/kg dry	0.373	ND	51.3	40-140		23.7	50		
Aroclor 1260	0.230	0.0186	"	0.373	0.0731	42.0	40-140		7.01	50		
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0551		"	0.0745		74.0	30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.0358		"	0.0745		48.0	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
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Batch Y1D1913 - BD10791

Aroclor Reference (Y1D1913)- Aroclor Reference								Prepared & Analyzed: 04/16/2021			
Surrogate: Tetrachloro-m-xylene	0.214		ug/mL	0.200		107					
Surrogate: Decachlorobiphenyl	0.201		"	0.200		100					

Batch Y1D2018 - BD10941

Aroclor Reference (Y1D2018)- Aroclor Reference								Prepared & Analyzed: 04/19/2021			
Surrogate: Tetrachloro-m-xylene	0.217		ug/mL	0.200		108					
Surrogate: Decachlorobiphenyl	0.200		"	0.200		100					



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
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Batch BD10789 - EPA 3550C/8151A

Blank (BD10789-BLK1)		Blank		Prepared & Analyzed: 04/15/2021							
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>		0.358	"	0.415		86.2	21-150				

LCS (BD10789-BS1)		LCS		Prepared & Analyzed: 04/15/2021							
2,4,5-T	0.0581	0.0199	mg/kg wet	0.133		43.7	10-120				
2,4,5-TP (Silvex)	0.0756	0.0199	"	0.133		56.9	10-120				
2,4-D	0.0664	0.0199	"	0.133		50.0	10-118				
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>		0.357	"	0.415		86.0	21-150				

Matrix Spike (BD10789-MS1)		Matrix Spike		*Source sample: 21D0481-02 (Matrix Spike)		Prepared & Analyzed: 04/15/2021					
2,4,5-T	0.0779	0.0215	mg/kg dry	0.143	ND	54.4	10-120				
2,4,5-TP (Silvex)	0.0922	0.0215	"	0.143	ND	64.4	10-120				
2,4-D	0.0851	0.0215	"	0.143	ND	59.4	10-118				
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>		0.376	"	0.448		84.0	21-150				

Matrix Spike Dup (BD10789-1)		Matrix Spike Dup		*Source sample: 21D0481-02 (Matrix Spike Dup)		Prepared & Analyzed: 04/15/2021					
2,4,5-T	0.0824	0.0215	mg/kg dry	0.143	ND	57.5	10-120		5.59	35	
2,4,5-TP (Silvex)	0.0967	0.0215	"	0.143	ND	67.5	10-120		4.74	35	
2,4-D	0.0886	0.0215	"	0.143	ND	61.9	10-118		4.12	35	
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>		0.381	"	0.448		85.2	21-150				

Batch BD10964 - EPA 3550C/8151A

Blank (BD10964-BLK1)		Blank		Prepared & Analyzed: 04/19/2021							
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>		0.400	"	0.415		96.4	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 BD10964 - EPA 3550C/8151A											
LCS (BD10964-BS1)	LCS								Prepared & Analyzed: 04/19/2021		
2,4,5-T	0.0772	0.0199	mg/kg wet	0.133		58.1	10-120				
2,4,5-TP (Silvex)	0.0806	0.0199	"	0.133		60.6	10-120				
2,4-D	0.0889	0.0199	"	0.133		66.9	10-118				
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	<i>0.331</i>		"	<i>0.415</i>		<i>79.8</i>	<i>21-150</i>				
Matrix Spike (BD10964-MS1)	Matrix Spike	*Source sample: 21D0755-01 (Matrix Spike)								Prepared & Analyzed: 04/19/2021	
2,4,5-T	0.0969	0.0219	mg/kg dry	0.146	ND	66.2	10-120				
2,4,5-TP (Silvex)	0.101	0.0219	"	0.146	ND	68.8	10-120				
2,4-D	0.0988	0.0219	"	0.146	ND	67.5	10-118				
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	<i>0.396</i>		"	<i>0.457</i>		<i>86.6</i>	<i>21-150</i>				
Matrix Spike Dup (BD10964-1)	Matrix Spike Dup	*Source sample: 21D0755-01 (Matrix Spike Dup)								Prepared & Analyzed: 04/19/2021	
2,4,5-T	0.0887	0.0219	mg/kg dry	0.146	ND	60.6	10-120		8.87	35	
2,4,5-TP (Silvex)	0.0988	0.0219	"	0.146	ND	67.5	10-120		1.83	35	
2,4-D	0.0878	0.0219	"	0.146	ND	60.0	10-118		11.8	35	
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	<i>0.367</i>		"	<i>0.457</i>		<i>80.2</i>	<i>21-150</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
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Batch BD10772 - EPA 3050B

Blank (BD10772-BLK1)	Blank	Prepared: 04/14/2021 Analyzed: 04/16/2021									
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	12.4	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 (BD10772-DUP1)	Duplicate	*Source sample: 21D0619-03 (Duplicate) Prepared: 04/14/2021 Analyzed: 04/16/2021									
Aluminum	16300	5.77	mg/kg dry		16000				1.78	35	
Antimony	ND	2.88	"		ND					35	
Arsenic	ND	1.73	"		ND					35	
Barium	123	2.88	"		101			19.7		35	
Beryllium	ND	0.058	"		ND					35	
Cadmium	ND	0.346	"		ND					35	
Calcium	1370	5.77	"		1860			30.9		35	
Chromium	28.5	0.577	"		31.4			9.41		35	
Cobalt	15.5	0.461	"		14.0			10.2		35	
Copper	13.1	2.31	"		22.2			51.7		35	Non-dir.
Iron	26100	28.8	"		23700			9.70		35	
Lead	5.63	0.577	"		8.78			43.8		35	Non-dir.
Magnesium	6590	5.77	"		4860			30.1		35	
Manganese	422	0.577	"		269			44.5		35	Non-dir.
Nickel	26.6	1.15	"		24.3			8.80		35	
Potassium	6000	5.77	"		3350			56.8		35	Non-dir.
Selenium	ND	2.88	"		ND					35	
Silver	ND	0.577	"		ND					35	
Sodium	154	57.7	"		154			0.408		35	
Thallium	ND	2.88	"		ND					35	
Vanadium	41.0	1.15	"		47.2			13.8		35	
Zinc	63.7	2.88	"		58.3			8.78		35	



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

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

Batch BD10772 - EPA 3050B

Matrix Spike (BD10772-MS1)	Matrix Spike	*Source sample: 21D0619-03 (Matrix Spike)					Prepared: 04/14/2021 Analyzed: 04/16/2021				
Aluminum	18100	5.77	mg/kg dry	231	16000	901	75-125	High Bias			
Antimony	3.67	2.88	"	28.8	ND	12.7	75-125	Low Bias			
Arsenic	232	1.73	"	231	ND	101	75-125				
Barium	337	2.88	"	231	101	102	75-125				
Beryllium	2.83	0.058	"	5.77	ND	49.0	75-125	Low Bias			
Cadmium	6.12	0.346	"	5.77	ND	106	75-125				
Calcium	3470	5.77	"	115	1860	NR	75-125	High Bias			
Chromium	52.4	0.577	"	23.1	31.4	91.3	75-125				
Cobalt	95.0	0.461	"	57.7	14.0	141	75-125	High Bias			
Copper	54.6	2.31	"	28.8	22.2	112	75-125				
Iron	25900	28.8	"	115	23700	NR	75-125	High Bias			
Lead	70.5	0.577	"	57.7	8.78	107	75-125				
Magnesium	4790	5.77	"	115	4860	NR	75-125	Low Bias			
Manganese	1040	0.577	"	57.7	269	NR	75-125	High Bias			
Nickel	83.3	1.15	"	57.7	24.3	102	75-125				
Potassium	2920	5.77	"	115	3350	NR	75-125	Low Bias			
Selenium	192	2.88	"	231	ND	83.4	75-125				
Silver	ND	0.577	"	5.77	ND		75-125	Low Bias			
Sodium	247	57.7	"	115	154	80.5	75-125				
Thallium	216	2.88	"	231	ND	93.6	75-125				
Vanadium	109	1.15	"	57.7	47.2	107	75-125				
Zinc	117	2.88	"	57.7	58.3	102	75-125				

Post Spike (BD10772-PS1)	Post Spike	*Source sample: 21D0619-03 (Post Spike)					Prepared: 04/14/2021 Analyzed: 04/16/2021				
Aluminum	139		ug/mL	2.00	139	9.95	75-125	Low Bias			
Antimony	0.246		"	0.250	-0.043	98.3	75-125				
Arsenic	2.14		"	2.00	0.011	106	75-125				
Barium	3.08		"	2.00	0.877	110	75-125				
Beryllium	0.025		"	0.0500	-0.028	49.8	75-125	Low Bias			
Cadmium	0.055		"	0.0500	0.001	107	75-125				
Calcium	17.1		"	1.00	16.2	95.8	75-125				
Chromium	0.487		"	0.200	0.272	107	75-125				
Cobalt	0.679		"	0.500	0.121	112	75-125				
Copper	0.468		"	0.250	0.192	111	75-125				
Iron	206		"	1.00	206	4.95	75-125	Low Bias			
Lead	0.624		"	0.500	0.076	110	75-125				
Magnesium	43.2		"	1.00	42.2	96.6	75-125				
Manganese	2.87		"	0.500	2.33	108	75-125				
Nickel	0.758		"	0.500	0.211	109	75-125				
Potassium	30.1		"	1.00	29.0	108	75-125				
Selenium	1.81		"	2.00	-0.159	90.3	75-125				
Silver	-0.023		"	0.0500	-0.070		75-125	Low Bias			
Sodium	2.26		"	1.00	1.33	93.0	75-125				
Thallium	1.95		"	2.00	-0.117	97.5	75-125				
Vanadium	0.938		"	0.500	0.409	106	75-125				
Zinc	1.06		"	0.500	0.506	111	75-125				



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

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

Batch BD10772 - EPA 3050B

Reference (BD10772-SRM1)	Reference	Prepared: 04/14/2021 Analyzed: 04/16/2021										
Aluminum	8940	5.00	mg/kg wet	8190		109	50.5-150.1					
Antimony	70.0	2.50	"	110		63.7	19-251.7					
Arsenic	180	1.50	"	162		111	70.1-129.8					
Barium	147	2.50	"	138		107	75-125					
Beryllium	161	0.050	"	157		103	75-125.2					
Cadmium	147	0.300	"	135		109	74.8-125.2					
Calcium	5390	5.00	"	4790		112	72.7-127.5					
Chromium	122	0.500	"	117		104	70.1-129.9					
Cobalt	100	0.400	"	92.6		108	75-125					
Copper	151	2.00	"	143		105	75.3-125.3					
Iron	15100	25.0	"	15100		100	35.8-164.6					
Lead	81.1	0.500	"	77.6		105	70-130					
Magnesium	2430	5.00	"	2320		105	61.7-137.8					
Manganese	350	0.500	"	319		110	78.1-122					
Nickel	90.5	1.00	"	79.9		113	70.1-130.1					
Potassium	2120	5.00	"	2050		103	59.1-140.9					
Selenium	162	2.50	"	172		94.4	55.7-144.5					
Silver	24.3	0.500	"	24.7		98.4	69.2-130.8					
Sodium	139	50.0	"	137		101	36.1-163.3					
Thallium	87.9	2.50	"	88.0		99.9	65.3-146.8					
Vanadium	100	1.00	"	99.9		100	67-133.1					
Zinc	340	2.50	"	312		109	69.9-130.1					



Mercury by EPA 7000/200 Series Methods - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit		Level	Result					Limit			
Batch BD10759 - EPA 7473 soil													
Blank (BD10759-BLK1)	Blank										Prepared & Analyzed: 04/14/2021		
Mercury	ND	0.0300	mg/kg wet										
Duplicate (BD10759-DUP1)	Duplicate	*Source sample: 21D0604-14 (076_LSB-25C)							Prepared & Analyzed: 04/14/2021				
Mercury	0.120	0.0365	mg/kg dry		0.109					8.93		35	
Matrix Spike (BD10759-MS1)	Matrix Spike	*Source sample: 21D0604-14 (076_LSB-25C)							Prepared & Analyzed: 04/14/2021				
Mercury	0.590		mg/kg	0.500	0.0899	99.9	75-125						
Reference (BD10759-SRM1)	Reference	Prepared & Analyzed: 04/14/2021											
Mercury	20.958		mg/kg	27.2		77.1	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 BD10719 - EPA SW846-3060												
Blank (BD10719-BLK1)	Blank								Prepared & Analyzed: 04/14/2021			
Chromium, Hexavalent	ND	0.500	mg/kg wet									
Duplicate (BD10719-DUP1)	Duplicate	*Source sample: 21D0481-01 (Duplicate)								Prepared & Analyzed: 04/14/2021		
Chromium, Hexavalent	ND	0.536	mg/kg dry		ND						35	
Matrix Spike (BD10719-MS1)	Matrix Spike	*Source sample: 21D0481-01 (Matrix Spike)								Prepared & Analyzed: 04/14/2021		
Chromium, Hexavalent	18.3	0.536	mg/kg dry	21.5	ND	85.2	75-125					
Matrix Spike (BD10719-MS2)	Matrix Spike	*Source sample: 21D0481-01 (Matrix Spike)								Prepared & Analyzed: 04/14/2021		
Chromium, Hexavalent	18.1	0.536	mg/kg dry	21.5	ND	84.4	75-125					
Reference (BD10719-SRM1)	Reference								Prepared & Analyzed: 04/14/2021			
Chromium, Hexavalent	75.2		mg/L	109		69.0	30-169.7					
Batch BD10794 - EPA SW846-3060												
Blank (BD10794-BLK1)	Blank								Prepared & Analyzed: 04/15/2021			
Chromium, Hexavalent	ND	0.500	mg/kg wet									
Duplicate (BD10794-DUP1)	Duplicate	*Source sample: 21D0652-01 (Duplicate)								Prepared & Analyzed: 04/15/2021		
Chromium, Hexavalent	ND	0.604	mg/kg dry		ND						35	
Matrix Spike (BD10794-MS1)	Matrix Spike	*Source sample: 21D0652-01 (Matrix Spike)								Prepared & Analyzed: 04/15/2021		
Chromium, Hexavalent	2.32	0.604	mg/kg dry	24.2	ND	9.60	75-125	Low Bias				
Matrix Spike (BD10794-MS2)	Matrix Spike	*Source sample: 21D0652-01 (Matrix Spike)								Prepared & Analyzed: 04/15/2021		
Chromium, Hexavalent	1.45	0.604	mg/kg dry	24.2	ND	6.00	75-125	Low Bias				



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 BD10794 - EPA SW846-3060											
Reference (BD10794-SRM1)	Reference								Prepared & Analyzed: 04/15/2021		
Chromium, Hexavalent	87.2		mg/L	109		80.0	30-169.7				
Batch BD11239 - Analysis Preparation Soil											
Blank (BD11239-BLK1)	Blank								Prepared & Analyzed: 04/22/2021		
Cyanide, total	ND	0.500	mg/kg wet								
Duplicate (BD11239-DUP1)	Duplicate		*Source sample: 21D0932-01 (Duplicate)						Prepared & Analyzed: 04/22/2021		
Cyanide, total	ND	0.529	mg/kg dry		ND						15
Matrix Spike (BD11239-MS1)	Matrix Spike		*Source sample: 21D0932-01 (Matrix Spike)						Prepared & Analyzed: 04/22/2021		
Cyanide, total	8.55	0.529	mg/kg dry	10.6	ND	80.8	79.6-107				
Reference (BD11239-SRM1)	Reference								Prepared & Analyzed: 04/22/2021		
Cyanide, total	91.3		ug/mL	91.9		99.3	42.22-159.96				



Miscellaneous Physical Parameters - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD10865 - % Solids Prep

Duplicate (BD10865-DUP1)	Duplicate	*Source sample: 21D0604-01 (063 LSB-22A)						Prepared: 04/15/2021	Analyzed: 04/16/2021		
% Solids	95.0	0.100	%		93.3				1.72	20	

Batch BD10866 - % Solids Prep

Duplicate (BD10866-DUP1)	Duplicate	*Source sample: 21D0704-05 (Duplicate)						Prepared: 04/15/2021	Analyzed: 04/16/2021		
% Solids	89.8	0.100	%		90.1				0.290	20	



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21D0604-01	063_LSB-22A	40mL Vial with Stir Bar-Cool 4° C
21D0604-02	064_LSB-22B	40mL Vial with Stir Bar-Cool 4° C
21D0604-03	065_LSB-22C	40mL Vial with Stir Bar-Cool 4° C
21D0604-04	066_LSB-21A	40mL Vial with Stir Bar-Cool 4° C
21D0604-05	067_LSB-21B	40mL Vial with Stir Bar-Cool 4° C
21D0604-06	068_LSB-21C	40mL Vial with Stir Bar-Cool 4° C
21D0604-07	069_LSB-23A	40mL Vial with Stir Bar-Cool 4° C
21D0604-08	070_LSB-23B	40mL Vial with Stir Bar-Cool 4° C
21D0604-09	071_LSB-23C	40mL Vial with Stir Bar-Cool 4° C
21D0604-10	072_LSB-26A	40mL Vial with Stir Bar-Cool 4° C
21D0604-11	073_LSB-26B	40mL Vial with Stir Bar-Cool 4° C
21D0604-12	074_LSB-25A	40mL Vial with Stir Bar-Cool 4° C
21D0604-13	075_LSB-25B	40mL Vial with Stir Bar-Cool 4° C
21D0604-14	076_LSB-25C	40mL Vial with Stir Bar-Cool 4° C
21D0604-16	078_TB-7	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).
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.
PCB-Q	The Aroclor pattern exhibited by the sample did not match reference Aroclors or their mixtures. The Aroclor identified is a best effort assignment based upon analyst interpretation.
S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is 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.
S-01	The surrogate recovery for this sample may not be available due to sample dilution required from high analyte concentration and/or matrix interferences.
S-08	The recovery of this surrogate was outside of QC limits.
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.

Corrective Action: The lab received 1-PFAS container & 1-500ml Amber container for sample 077/FB-3. Sample 072/LSB-26A was listed twice on the COCs (only 1 sample container set was received for this ID).

Revision Description: The report has been revised to include Cyanide analysis.



York Analytical Laboratories, Inc.
 120 Research Drive
 Stratford, CT 06815
 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.

YORK Project No.
2100604

Page 1 of 2

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time			
Company	Address	Company	Address	Company	Address	YOUR Project Number	Standard	RUSH - Next Day	<input type="checkbox"/> Standard (5-7 Day) <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input checked="" type="checkbox"/> RUSH - Four Day		
309 Kimball B. P.O. Box 414, N.S. Phone: 973-560-4700	Address: SAME	Company: LANG AN	Address: SAME	Company: SAME	Address: SAME	10068880	1296 Flatwoods Ave				
Contact: Brandon Reiner	Phone: 973-560-4700	Phone: SAME	Phone: SAME	Contact: SAME	Contact: SAME						
E-mail: Brandon.Reiner@yorklab.com		E-mail: SAME	E-mail: SAME	E-mail: SAME	E-mail: SAME						
<p>Sample Identification</p> <p>Brandon Reiner Samples Collected by: (print your name above and sign below) <i>Brandon Reiner</i></p> <p>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.</p>		<p>Matrix Codes</p> <p>S - soil / solid GW - groundwater DW - drinking water WW - wastewater O - Oil ; Other</p>		<p>Samples From</p> <p><input checked="" type="checkbox"/> New York <input type="checkbox"/> New Jersey <input type="checkbox"/> Connecticut <input type="checkbox"/> Pennsylvania <input type="checkbox"/> Other</p>		<p>Report / EDD Type (circle selections)</p> <p>Summary Report QA Report <input checked="" type="checkbox"/> NY ASP A Package <input type="checkbox"/> NY ASP B Package</p>		<p>YORK Reg. Comp.</p> <p>Compared to the following Regulation(s): (please list)</p> <p>Standard Excel EDD EQUS (Standard) NYSDEC EQUS NJDEP SRP HazSite Other:</p>		<p>Container Description</p> <p>1992, 14oz 1 HDPE</p>	
<p>Sample Matrix</p> <p>S</p>		<p>Date/Time Sampled</p> <p>4/13 9:40 9:45 9:50 10:30 10:40 10:45 11:35 11:50 11:55 13:45</p>		<p>Analysis Requested</p> <p>VOCs, SVOCs, 1,4-dioxane, TAL Metals, Hex Cr, PFAs, Herbicide Pesticides, PCBs</p>		<p>Preservation: (check all that apply)</p> <p>HCl ___ MeOH ___ HNO₃ ___ H₂SO₄ ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___</p>		<p>Special Instruction</p> <p>Field Filtered Lab to Filter</p>		<p>Comments:</p>	
<p>063/LSB-22A</p>		<p>4/13 17:00</p>		<p>4/13/21</p>		<p>4/13/21</p>		<p>4/13/21</p>		<p>4/13/21</p>	
<p>064/LSB-22B</p>		<p>4/13 17:00</p>		<p>4/13/21</p>		<p>4/13/21</p>		<p>4/13/21</p>		<p>4/13/21</p>	
<p>065/LSB-22C</p>		<p>4/13 17:00</p>		<p>4/13/21</p>		<p>4/13/21</p>		<p>4/13/21</p>		<p>4/13/21</p>	
<p>066/LSB-22A</p>		<p>4/13 17:00</p>		<p>4/13/21</p>		<p>4/13/21</p>		<p>4/13/21</p>		<p>4/13/21</p>	
<p>067/LSB-22B</p>		<p>4/13 17:00</p>		<p>4/13/21</p>		<p>4/13/21</p>		<p>4/13/21</p>		<p>4/13/21</p>	
<p>068/LSB-21C</p>		<p>4/13 17:00</p>		<p>4/13/21</p>		<p>4/13/21</p>		<p>4/13/21</p>		<p>4/13/21</p>	
<p>069/LSB-23A</p>		<p>4/13 17:00</p>		<p>4/13/21</p>		<p>4/13/21</p>		<p>4/13/21</p>		<p>4/13/21</p>	
<p>070/LSB-23B</p>		<p>4/13 17:00</p>		<p>4/13/21</p>		<p>4/13/21</p>		<p>4/13/21</p>		<p>4/13/21</p>	
<p>071/LSB-23C</p>		<p>4/13 17:00</p>		<p>4/13/21</p>		<p>4/13/21</p>		<p>4/13/21</p>		<p>4/13/21</p>	
<p>072/LSB-26A</p>		<p>4/13 17:00</p>		<p>4/13/21</p>		<p>4/13/21</p>		<p>4/13/21</p>		<p>4/13/21</p>	



York Analytical Laboratories, Inc.
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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 analysis requested below. Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No.
21060604

Page **2** of **2**

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: LANSA	Company:	Company:		Company:		100688801		RUSH - Next Day	<input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input checked="" type="checkbox"/> Standard (5-7 Day)
Address: 300 Kimberly D. Parsippany, NJ	Address:	Address:		Address:		YOUR Project Name			
Phone: 973-560-4500	Phone:	Phone:		Phone:		12096 Flatlands Ave			
Contact: Brandon Rehr	Contact:	Contact:		Contact:					
Email: B.Rehr@lansa.com	Email:	Email:		Email:					

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.

Brandon Rehr
Samples Collected by: (print your name above and sign below)

Brandon Rehr

Sample Identification	Sample Matrix	Date/Time Sampled	Matrix Codes		Samples From		Report / EDD Type (circle selections)		Analysis Requested	Container Description		
			S - soil / solid	GW - groundwater	DW - drinking water	WW - wastewater	O - Oil ; Other	New York			New Jersey	Connecticut	Pennsylvania	Other	Summary Report	CT RCP	Standard Excel EDD
072/LSB-26A	S	4/13 13:45								VOCS, SVOCs 1,4-dioxane, TAL		
073/LSB-26B		14:00								Metals, Hex Cr, PFAs, Herbicide		
074/LSB-25A		14:20								Pesticides, PCBs		
075/LSB-25B		14:50										
076/LSB-25C		14:55										
077/FB-3	SP A2	16:00								PFAs, 1,4-Dioxane		
078/TB-7	A2	N/A								VOCS		
BD										240 mL vial		
BD												

Comments:

HCl MeOH HNO₃ H₂SO₄ NaOH ZnAc
Ascorbic Acid Other: **DT**

Preservation: (check all that apply)

Samples Requisitioned by I. Company	Date/Time	Samples Requisitioned by I. Company	Date/Time
Brandon Rehr/Lenson	4/13/21 17:00	Rehr	4/13/21 17:00
Samples Received by I. Company	Date/Time	Samples Received by I. Company	Date/Time
Samples Requisitioned by I. Company	Date/Time	Samples Requisitioned by I. Company	Date/Time
Samples Received in Lab by	Date/Time	Samples Received at Lab	Date/Time
M. Blocher	4/13/21 20:53		

Temp. Received at Lab: **2.1**



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive, 4th Floor

Parsipanny NJ, 07054-2172

Attention: Brandon Reiner

Report Date: 04/23/2021

Client Project ID: 100688801

York Project (SDG) No.: 21D0652

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 04/23/2021
Client Project ID: 100688801
York Project (SDG) No.: 21D0652

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Brandon Reiner

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 14, 2021 and listed below. The project was identified as your project: **100688801**.

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>
21D0652-01	081_LSB-26C	Soil	04/14/2021	04/14/2021
21D0652-02	079_FB-4	Water	04/14/2021	04/14/2021
21D0652-03	080_TB-8	Water	04/14/2021	04/14/2021

General Notes for York Project (SDG) No.: 21D0652

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: 04/23/2021





Sample Information

Client Sample ID: 081_LSB-26C

York Sample ID: 21D0652-01

<u>York Project (SDG) No.</u> 21D0652	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 14, 2021 10:00 am	<u>Date Received</u> 04/14/2021
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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	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	KHA
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	KHA
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	KHA



Sample Information

Client Sample ID: 081_LSB-26C

York Sample ID: 21D0652-01

<u>York Project (SDG) No.</u> 21D0652	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 14, 2021 10:00 am	<u>Date Received</u> 04/14/2021
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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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.049	0.098	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	KHA
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 10:47	04/14/2021 20:45	KHA
78-93-3	2-Butanone	0.0026	CCV-E, J	mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	KHA
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	KHA
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	KHA
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	KHA
67-64-1	Acetone	0.018	CCV-E	mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	KHA
108-86-1	Bromobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	KHA
67-66-3	Chloroform	0.0029	J	mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	KHA



Sample Information

Client Sample ID: 081_LSB-26C

York Sample ID: 21D0652-01

<u>York Project (SDG) No.</u> 21D0652	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 14, 2021 10:00 am	<u>Date Received</u> 04/14/2021
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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
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	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	KHA
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/14/2021 10:47	04/14/2021 20:45	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	KHA



Sample Information

Client Sample ID: 081_LSB-26C

York Sample ID: 21D0652-01

<u>York Project (SDG) No.</u> 21D0652	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 14, 2021 10:00 am	<u>Date Received</u> 04/14/2021
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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
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	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	04/14/2021 10:47	04/14/2021 20:45	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 10:47	04/14/2021 20:45	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0074	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 10:47	04/14/2021 20:45	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	100 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	109 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.4 %			76-130						

Semivolatiles, 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	0.0495	0.0988	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0988	0.197	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0988	0.197	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD



Sample Information

Client Sample ID: 081_LSB-26C

York Sample ID: 21D0652-01

<u>York Project (SDG) No.</u> 21D0652	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 14, 2021 10:00 am	<u>Date Received</u> 04/14/2021
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0988	0.197	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
91-57-6	2-Methylnaphthalene	0.0600	J	mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0988	0.197	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0988	0.197	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0988	0.197	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0988	0.197	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD



Sample Information

Client Sample ID: 081_LSB-26C

York Sample ID: 21D0652-01

<u>York Project (SDG) No.</u> 21D0652	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 14, 2021 10:00 am	<u>Date Received</u> 04/14/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0988	0.197	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
83-32-9	Acenaphthene	0.0884	J	mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
62-53-3	Aniline	ND		mg/kg dry	0.198	0.395	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
120-12-7	Anthracene	0.214		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
92-87-5	Benzidine	ND		mg/kg dry	0.198	0.395	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
56-55-3	Benzo(a)anthracene	0.489		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
50-32-8	Benzo(a)pyrene	0.415		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
205-99-2	Benzo(b)fluoranthene	0.311		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
191-24-2	Benzo(g,h,i)perylene	0.246		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
207-08-9	Benzo(k)fluoranthene	0.352		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
117-81-7	Bis(2-ethylhexyl)phthalate	1.42		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0988	0.197	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD



Sample Information

Client Sample ID: 081_LSB-26C

York Sample ID: 21D0652-01

<u>York Project (SDG) No.</u> 21D0652	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 14, 2021 10:00 am	<u>Date Received</u> 04/14/2021
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Semivolatiles, 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
86-74-8	Carbazole	0.0497	J	mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
218-01-9	Chrysene	0.483		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
53-70-3	Dibenzo(a,h)anthracene	0.0813	J	mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
206-44-0	Fluoranthene	0.903		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
86-73-7	Fluorene	0.111		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
193-39-5	Indeno(1,2,3-cd)pyrene	0.227		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
91-20-3	Naphthalene	0.102		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD



Sample Information

Client Sample ID: 081_LSB-26C

York Sample ID: 21D0652-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0652

100688801

Soil

April 14, 2021 10:00 am

04/14/2021

Semivolatiles, 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
85-01-8	Phenanthrene	0.706		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
108-95-2	Phenol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
129-00-0	Pyrene	1.02		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
110-86-1	Pyridine	ND		mg/kg dry	0.198	0.395	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:56	04/20/2021 23:52	CD
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	56.8 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	55.4 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	67.0 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	65.4 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	71.7 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	98.2 %			24-116						

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	04/16/2021 07:32	04/16/2021 20:51	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	0.578	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:15	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.578	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:15	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.578	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:15	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.578	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:15	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.578	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:15	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.578	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:15	WL



Sample Information

Client Sample ID: 081_LSB-26C

York Sample ID: 21D0652-01

<u>York Project (SDG) No.</u> 21D0652	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 14, 2021 10:00 am	<u>Date Received</u> 04/14/2021
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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
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.578	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:15	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.578	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:15	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.578	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:15	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.578	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:15	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.578	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:15	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.578	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:15	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.578	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:15	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.578	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:15	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.578	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:15	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.578	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:15	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.578	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:15	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.578	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:15	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.578	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:15	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.578	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:15	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.578	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:15	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	93.5 %	25-150
Surrogate: M5PFHxA	97.9 %	25-150
Surrogate: M4PFHpA	86.9 %	25-150
Surrogate: M3PFHxS	99.8 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid	103 %	25-150
Surrogate: M6PFDA	95.7 %	25-150
Surrogate: M7PFUdA	79.7 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	61.8 %	25-150
Surrogate: M2PFTeDA	55.1 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid	105 %	25-150



Sample Information

Client Sample ID: 081_LSB-26C

York Sample ID: 21D0652-01

<u>York Project (SDG) No.</u> 21D0652	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 14, 2021 10:00 am	<u>Date Received</u> 04/14/2021
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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
	Surrogate: Perfluoro-1-[13C8]octanesulfor	84.1 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	100 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	50.4 %			10-150					
	Surrogate: d3-N-MeFOSAA	106 %			25-150					
	Surrogate: d5-N-EtFOSAA	117 %			25-150					
	Surrogate: M2-6:2 FTS	118 %			25-150					
	Surrogate: M2-8:2 FTS	161 %	PFSu-H		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	0.00977		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:32	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:32	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:32	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:32	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:32	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/15/2021 13:47	04/19/2021 16:32	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:32	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:32	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:32	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:32	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/15/2021 13:47	04/19/2021 16:32	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:32	CM
72-20-8	Endrin	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:32	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:32	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:32	CM



Sample Information

Client Sample ID: 081_LSB-26C

York Sample ID: 21D0652-01

<u>York Project (SDG) No.</u> 21D0652	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 14, 2021 10:00 am	<u>Date Received</u> 04/14/2021
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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
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:32	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/15/2021 13:47	04/19/2021 16:32	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:32	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:32	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:32	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 13:47	04/19/2021 16:32	CM
	Surrogate Recoveries	Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	98.4 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	84.1 %					30-150			

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 20:04	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 20:04	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 20:04	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 20:04	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 20:04	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 20:04	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/15/2021 13:47	04/16/2021 20:04	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications:	04/15/2021 13:47	04/16/2021 20:04	BJ
	Surrogate Recoveries	Result					Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	92.0 %					30-120			
2051-24-3	Surrogate: Decachlorobiphenyl	60.0 %					30-120			

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 081_LSB-26C

York Sample ID: 21D0652-01

<u>York Project (SDG) No.</u> 21D0652	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 14, 2021 10:00 am	<u>Date Received</u> 04/14/2021
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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	0.0237	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/19/2021 08:06	04/19/2021 19:21	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0237	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/19/2021 08:06	04/19/2021 19:21	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0237	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/19/2021 08:06	04/19/2021 19:21	BJ

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	85.6 %	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
7429-90-5	Aluminum	6040		mg/kg dry	6.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 16:32	04/20/2021 11:09	WJM
7440-36-0	Antimony	ND		mg/kg dry	3.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 16:32	04/20/2021 11:09	WJM
7440-38-2	Arsenic	3.38		mg/kg dry	1.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 16:32	04/20/2021 11:09	WJM
7440-39-3	Barium	115		mg/kg dry	3.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 16:32	04/20/2021 11:09	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 16:32	04/20/2021 11:09	WJM
7440-43-9	Cadmium	0.364		mg/kg dry	0.362	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 16:32	04/20/2021 11:09	WJM
7440-70-2	Calcium	20000	B	mg/kg dry	6.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 16:32	04/20/2021 11:09	WJM
7440-47-3	Chromium	26.9		mg/kg dry	0.604	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 16:32	04/20/2021 11:09	WJM
7440-48-4	Cobalt	5.26		mg/kg dry	0.483	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 16:32	04/20/2021 11:09	WJM
7440-50-8	Copper	63.5		mg/kg dry	2.42	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 16:32	04/20/2021 11:09	WJM
7439-89-6	Iron	13600		mg/kg dry	30.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 16:32	04/20/2021 11:09	WJM
7439-92-1	Lead	134		mg/kg dry	0.604	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 16:32	04/20/2021 11:09	WJM
7439-95-4	Magnesium	4970		mg/kg dry	6.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 16:32	04/20/2021 11:09	WJM
7439-96-5	Manganese	237		mg/kg dry	0.604	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 16:32	04/20/2021 11:09	WJM
7440-02-0	Nickel	17.7		mg/kg dry	1.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 16:32	04/20/2021 11:09	WJM



Sample Information

Client Sample ID: 081_LSB-26C

York Sample ID: 21D0652-01

<u>York Project (SDG) No.</u> 21D0652	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 14, 2021 10:00 am	<u>Date Received</u> 04/14/2021
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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
7440-09-7	Potassium	727	B	mg/kg dry	6.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 16:32	04/20/2021 11:09	WJM
7782-49-2	Selenium	ND		mg/kg dry	3.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 16:32	04/20/2021 11:09	WJM
7440-22-4	Silver	ND		mg/kg dry	0.604	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 16:32	04/20/2021 11:09	WJM
7440-23-5	Sodium	193		mg/kg dry	60.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 16:32	04/20/2021 11:09	WJM
7440-28-0	Thallium	ND		mg/kg dry	3.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 16:32	04/20/2021 11:09	WJM
7440-62-2	Vanadium	19.6		mg/kg dry	1.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 16:32	04/20/2021 11:09	WJM
7440-66-6	Zinc	116		mg/kg dry	3.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/15/2021 16:32	04/20/2021 11:09	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	0.142		mg/kg dry	0.0362	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/15/2021 17:26	04/16/2021 11:48	AD

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	0.604	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	04/15/2021 07:58	04/15/2021 13:08	OT

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	0.604	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/22/2021 14:10	04/22/2021 22:01	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	82.8		%	0.100	1	SM 2540G Certifications: CTDOH	04/16/2021 09:55	04/19/2021 08:37	ALH



Sample Information

Client Sample ID: 081_LSB-26C

York Sample ID: 21D0652-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0652	100688801	Soil	April 14, 2021 10:00 am	04/14/2021



Sample Information

Client Sample ID: 079_FB-4

York Sample ID: 21D0652-02

<u>York Project (SDG) No.</u> 21D0652	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 14, 2021 8:15 am	<u>Date Received</u> 04/14/2021
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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	04/14/2021 14:00	04/14/2021 15:30	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	04/14/2021 14:00	04/14/2021 15:30	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	04/14/2021 14:00	04/14/2021 15:30	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	04/14/2021 14:00	04/14/2021 15:30	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	04/14/2021 14:00	04/14/2021 15:30	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	04/14/2021 14:00	04/14/2021 15:30	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	04/14/2021 14:00	04/14/2021 15:30	MD
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 14:00	04/14/2021 15:30	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	04/14/2021 14:00	04/14/2021 15:30	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	04/14/2021 14:00	04/14/2021 15:30	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	04/14/2021 14:00	04/14/2021 15:30	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	04/14/2021 14:00	04/14/2021 15:30	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	04/14/2021 14:00	04/14/2021 15:30	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	04/14/2021 14:00	04/14/2021 15:30	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	04/14/2021 14:00	04/14/2021 15:30	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	04/14/2021 14:00	04/14/2021 15:30	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	04/14/2021 14:00	04/14/2021 15:30	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	04/14/2021 14:00	04/14/2021 15:30	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	04/14/2021 14:00	04/14/2021 15:30	MD
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	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	04/14/2021 14:00	04/14/2021 15:30	MD



Sample Information

Client Sample ID: 079_FB-4

York Sample ID: 21D0652-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0652

100688801

Water

April 14, 2021 8:15 am

04/14/2021

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
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	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	04/14/2021 14:00	04/14/2021 15:30	MD
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD



Sample Information

Client Sample ID: 079_FB-4

York Sample ID: 21D0652-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0652

100688801

Water

April 14, 2021 8:15 am

04/14/2021

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
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	04/14/2021 14:00	04/14/2021 15:30	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	04/14/2021 14:00	04/14/2021 15:30	MD
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	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	04/14/2021 14:00	04/14/2021 15:30	MD
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
75-09-2	Methylene chloride	1.67		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	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	04/14/2021 14:00	04/14/2021 15:30	MD
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	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	04/14/2021 14:00	04/14/2021 15:30	MD
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD



Sample Information

Client Sample ID: 079_FB-4

York Sample ID: 21D0652-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0652

100688801

Water

April 14, 2021 8:15 am

04/14/2021

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
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	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	04/14/2021 14:00	04/14/2021 15:30	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	04/14/2021 14:00	04/14/2021 15:30	MD
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:30	MD
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 14:00	04/14/2021 15:30	MD
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	92.7 %			70-130						
2037-26-5	Surrogate: SURR: Toluene-d8	102 %			70-130						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.5 %			70-130						

Semivolatiles, 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	04/16/2021 07:19	04/21/2021 11:19	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH



Sample Information

Client Sample ID: 079_FB-4

York Sample ID: 21D0652-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0652

100688801

Water

April 14, 2021 8:15 am

04/14/2021

Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
95-57-8	2-Chlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
95-48-7	2-Methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
88-74-4	2-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
88-75-5	2-Nitrophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
99-09-2	3-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
106-47-8	4-Chloroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
100-01-6	4-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH



Sample Information

Client Sample ID: 079_FB-4

York Sample ID: 21D0652-02

<u>York Project (SDG) No.</u> 21D0652	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 14, 2021 8:15 am	<u>Date Received</u> 04/14/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		ug/L	6.06	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
98-86-2	Acetophenone	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
62-53-3	Aniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
100-52-7	Benzaldehyde	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
92-87-5	Benzidine	ND		ug/L	6.06	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
65-85-0	Benzoic acid	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
100-51-6	Benzyl alcohol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.21	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
105-60-2	Caprolactam	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
86-74-8	Carbazole	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
132-64-9	Dibenzofuran	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
84-66-2	Diethyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
131-11-3	Dimethyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	6.06	12.1	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
78-59-1	Isophorone	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH



Sample Information

Client Sample ID: 079_FB-4

York Sample ID: 21D0652-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0652

100688801

Water

April 14, 2021 8:15 am

04/14/2021

Semivolatiles, 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
108-95-2	Phenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
110-86-1	Pyridine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/21/2021 11:19	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	42.7 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	29.6 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	83.1 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	68.0 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	87.2 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	93.4 %			30.7-106						

Semivolatiles, 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	04/16/2021 07:19	04/20/2021 15:38	CD
208-96-8	Acenaphthylene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/20/2021 15:38	CD
120-12-7	Anthracene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/20/2021 15:38	CD
1912-24-9	Atrazine	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/16/2021 07:19	04/20/2021 15:38	CD
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/20/2021 15:38	CD
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/20/2021 15:38	CD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/20/2021 15:38	CD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/20/2021 15:38	CD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/20/2021 15:38	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/16/2021 07:19	04/20/2021 15:38	CD
218-01-9	Chrysene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/20/2021 15:38	CD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/20/2021 15:38	CD
206-44-0	Fluoranthene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/20/2021 15:38	CD



Sample Information

Client Sample ID: 079_FB-4

York Sample ID: 21D0652-02

<u>York Project (SDG) No.</u> 21D0652	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 14, 2021 8:15 am	<u>Date Received</u> 04/14/2021
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Semivolatiles, 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
86-73-7	Fluorene	0.303		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/20/2021 15:38	CD
118-74-1	Hexachlorobenzene	ND		ug/L	0.0242	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/16/2021 07:19	04/20/2021 15:38	CD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/16/2021 07:19	04/20/2021 15:38	CD
67-72-1	Hexachloroethane	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/16/2021 07:19	04/20/2021 15:38	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	04/16/2021 07:19	04/20/2021 15:38	CD
91-20-3	Naphthalene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/20/2021 15:38	CD
98-95-3	Nitrobenzene	ND		ug/L	0.303	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/16/2021 07:19	04/20/2021 15:38	CD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/16/2021 07:19	04/20/2021 15:38	CD
87-86-5	Pentachlorophenol	ND		ug/L	0.303	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/16/2021 07:19	04/20/2021 15:38	CD
85-01-8	Phenanthrene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/20/2021 15:38	CD
129-00-0	Pyrene	0.0727		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 07:19	04/20/2021 15:38	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	04/19/2021 07:56	04/19/2021 15:00	KH
	Surrogate Recoveries	Result					Acceptance Range			
17647-74-4	Surrogate: 1,4-Dioxane-d8	72.0 %					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	1.92	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:20	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:20	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:20	WL



Sample Information

Client Sample ID: 079_FB-4

York Sample ID: 21D0652-02

<u>York Project (SDG) No.</u> 21D0652	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 14, 2021 8:15 am	<u>Date Received</u> 04/14/2021
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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
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:20	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:20	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:20	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:20	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:20	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:20	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:20	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:20	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:20	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:20	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:20	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:20	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:20	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:20	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:20	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.81	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:20	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:20	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:20	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	87.2 %	25-150
Surrogate: M5PFHxA	117 %	25-150
Surrogate: M4PFHpA	88.0 %	25-150
Surrogate: M3PFHxS	88.2 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	105 %	25-150



Sample Information

Client Sample ID: 079_FB-4

York Sample ID: 21D0652-02

<u>York Project (SDG) No.</u> 21D0652	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 14, 2021 8:15 am	<u>Date Received</u> 04/14/2021
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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
	Surrogate: M6PFDA	101 %			25-150					
	Surrogate: M7PFUdA	89.0 %			25-150					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	51.7 %			25-150					
	Surrogate: M2PFTeDA	19.2 %			10-150					
	Surrogate: Perfluoro-n-[13C4]butanoic aci	132 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	101 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic a	104 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	39.1 %			10-150					
	Surrogate: d3-N-MeFOSAA	69.5 %			25-150					
	Surrogate: d5-N-EtFOSAA	66.9 %			25-150					
	Surrogate: M2-6:2 FTS	96.6 %			25-150					
	Surrogate: M2-8:2 FTS	88.3 %			25-150					
	Surrogate: M9PFNA	99.2 %			25-150					

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	04/19/2021 12:37	04/20/2021 14:38	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/19/2021 12:37	04/20/2021 14:38	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/19/2021 12:37	04/20/2021 14:38	CM
309-00-2	Aldrin	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/19/2021 12:37	04/20/2021 14:38	CM
319-84-6	alpha-BHC	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/19/2021 12:37	04/20/2021 14:38	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/19/2021 12:37	04/20/2021 14:38	CM
319-85-7	beta-BHC	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/19/2021 12:37	04/20/2021 14:38	CM
319-86-8	delta-BHC	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/19/2021 12:37	04/20/2021 14:38	CM
60-57-1	Dieldrin	ND		ug/L	0.00216	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/19/2021 12:37	04/20/2021 14:38	CM
959-98-8	Endosulfan I	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/19/2021 12:37	04/20/2021 14:38	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/19/2021 12:37	04/20/2021 14:38	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/19/2021 12:37	04/20/2021 14:38	CM



Sample Information

Client Sample ID: 079_FB-4

York Sample ID: 21D0652-02

<u>York Project (SDG) No.</u> 21D0652	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 14, 2021 8:15 am	<u>Date Received</u> 04/14/2021
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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
72-20-8	Endrin	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/19/2021 12:37	04/20/2021 14:38	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/19/2021 12:37	04/20/2021 14:38	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/19/2021 12:37	04/20/2021 14:38	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/19/2021 12:37	04/20/2021 14:38	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/19/2021 12:37	04/20/2021 14:38	CM
76-44-8	Heptachlor	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/19/2021 12:37	04/20/2021 14:38	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/19/2021 12:37	04/20/2021 14:38	CM
72-43-5	Methoxychlor	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/19/2021 12:37	04/20/2021 14:38	CM
8001-35-2	Toxaphene	ND		ug/L	0.108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/19/2021 12:37	04/20/2021 14:38	CM
	* Chlordane, total (alpha, gamma)	ND		ug/L	0.0108	1	EPA 8081B Certifications:	04/19/2021 12:37	04/20/2021 14:38	CM
	Surrogate Recoveries	Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	35.2 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	35.0 %					30-150			

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/19/2021 12:37	04/20/2021 17:30	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/19/2021 12:37	04/20/2021 17:30	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/19/2021 12:37	04/20/2021 17:30	BJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/19/2021 12:37	04/20/2021 17:30	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/19/2021 12:37	04/20/2021 17:30	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/19/2021 12:37	04/20/2021 17:30	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/19/2021 12:37	04/20/2021 17:30	BJ



Sample Information

Client Sample ID: 079_FB-4

York Sample ID: 21D0652-02

<u>York Project (SDG) No.</u> 21D0652	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 14, 2021 8:15 am	<u>Date Received</u> 04/14/2021
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Polychlorinated Biphenyls (PCB), 8082 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
1336-36-3	* Total PCBs	ND		ug/L	0.0541	1	EPA 8082A Certifications:	04/19/2021 12:37	04/20/2021 17:30	BJ
Surrogate Recoveries		Result			Acceptance Range					
877-09-8	Surrogate: Tetrachloro-m-xylene	79.5 %			30-150					
2051-24-3	Surrogate: Decachlorobiphenyl	66.0 %			30-150					

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	04/20/2021 07:43	04/20/2021 18:50	BJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:43	04/20/2021 18:50	BJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:43	04/20/2021 18:50	BJ
Surrogate Recoveries		Result			Acceptance Range					
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 93.0 %				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	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 11:12	04/20/2021 12:45	WJM
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 11:12	04/20/2021 12:45	WJM
7440-70-2	Calcium	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 11:12	04/20/2021 12:45	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 11:12	04/20/2021 12:45	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 11:12	04/20/2021 12:45	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 11:12	04/20/2021 12:45	WJM
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 11:12	04/20/2021 12:45	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 11:12	04/20/2021 12:45	WJM
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 11:12	04/20/2021 12:45	WJM



Sample Information

Client Sample ID: 079_FB-4

York Sample ID: 21D0652-02

<u>York Project (SDG) No.</u> 21D0652	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 14, 2021 8:15 am	<u>Date Received</u> 04/14/2021
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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
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 11:12	04/20/2021 12:45	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 11:12	04/20/2021 12:45	WJM
7440-09-7	Potassium	0.0653	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 11:12	04/20/2021 12:45	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 11:12	04/20/2021 12:45	WJM
7440-23-5	Sodium	ND		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 11:12	04/20/2021 12:45	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 11:12	04/20/2021 12:45	WJM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 11:12	04/20/2021 12:45	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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 11:15	04/20/2021 13:06	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 11:15	04/20/2021 13:06	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 11:15	04/20/2021 13:06	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 11:15	04/20/2021 13:06	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 11:15	04/20/2021 13:06	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 11:15	04/20/2021 13:06	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	04/20/2021 23:48	04/20/2021 23:48	AA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 079_FB-4

York Sample ID: 21D0652-02

York Project (SDG) No. 21D0652

Client Project ID 100688801

Matrix Water

Collection Date/Time April 14, 2021 8:15 am

Date Received 04/14/2021

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
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	04/14/2021 22:58	04/14/2021 23:03	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: 080_TB-8

York Sample ID: 21D0652-03

<u>York Project (SDG) No.</u> 21D0652	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 14, 2021 1:30 pm	<u>Date Received</u> 04/14/2021
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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	04/14/2021 14:00	04/14/2021 15:04	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	04/14/2021 14:00	04/14/2021 15:04	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	04/14/2021 14:00	04/14/2021 15:04	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	04/14/2021 14:00	04/14/2021 15:04	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	04/14/2021 14:00	04/14/2021 15:04	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	04/14/2021 14:00	04/14/2021 15:04	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	04/14/2021 14:00	04/14/2021 15:04	MD
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 14:00	04/14/2021 15:04	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	04/14/2021 14:00	04/14/2021 15:04	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	04/14/2021 14:00	04/14/2021 15:04	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	04/14/2021 14:00	04/14/2021 15:04	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	04/14/2021 14:00	04/14/2021 15:04	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	04/14/2021 14:00	04/14/2021 15:04	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	04/14/2021 14:00	04/14/2021 15:04	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	04/14/2021 14:00	04/14/2021 15:04	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	04/14/2021 14:00	04/14/2021 15:04	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	04/14/2021 14:00	04/14/2021 15:04	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	04/14/2021 14:00	04/14/2021 15:04	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	04/14/2021 14:00	04/14/2021 15:04	MD
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	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	04/14/2021 14:00	04/14/2021 15:04	MD



Sample Information

Client Sample ID: 080_TB-8

York Sample ID: 21D0652-03

<u>York Project (SDG) No.</u> 21D0652	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 14, 2021 1:30 pm	<u>Date Received</u> 04/14/2021
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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
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	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	04/14/2021 14:00	04/14/2021 15:04	MD
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD



Sample Information

Client Sample ID: 080_TB-8

York Sample ID: 21D0652-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0652

100688801

Water

April 14, 2021 1:30 pm

04/14/2021

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
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	04/14/2021 14:00	04/14/2021 15:04	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	04/14/2021 14:00	04/14/2021 15:04	MD
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	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	04/14/2021 14:00	04/14/2021 15:04	MD
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
75-09-2	Methylene chloride	6.08		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	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	04/14/2021 14:00	04/14/2021 15:04	MD
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	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	04/14/2021 14:00	04/14/2021 15:04	MD
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD



Sample Information

Client Sample ID: 080_TB-8

York Sample ID: 21D0652-03

York Project (SDG) No.
21D0652

Client Project ID
100688801

Matrix
Water

Collection Date/Time
April 14, 2021 1:30 pm

Date Received
04/14/2021

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
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	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	04/14/2021 14:00	04/14/2021 15:04	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	04/14/2021 14:00	04/14/2021 15:04	MD
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/14/2021 14:00	04/14/2021 15:04	MD
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/14/2021 14:00	04/14/2021 15:04	MD
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	79.3 %	70-130								
2037-26-5	Surrogate: SURR: Toluene-d8	109 %	70-130								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.7 %	70-130								



Analytical Batch Summary

Batch ID: BD10742 **Preparation Method:** EPA 5030B **Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
21D0652-02	079_FB-4	04/14/21
21D0652-03	080_TB-8	04/14/21
BD10742-BLK1	Blank	04/14/21
BD10742-BS1	LCS	04/14/21
BD10742-BSD1	LCS Dup	04/14/21

Batch ID: BD10743 **Preparation Method:** EPA 5035A **Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
21D0652-01	081_LSB-26C	04/14/21
BD10743-BLK1	Blank	04/14/21
BD10743-BLK2	Blank	04/14/21
BD10743-BLK3	Blank	04/14/21
BD10743-BS1	LCS	04/14/21
BD10743-BSD1	LCS Dup	04/14/21

Batch ID: BD10783 **Preparation Method:** Analysis Preparation **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
21D0652-02	079_FB-4	04/14/21
BD10783-BLK1	Blank	04/14/21
BD10783-BS1	LCS	04/14/21
BD10783-DUP1	Duplicate	04/14/21
BD10783-MS1	Matrix Spike	04/14/21

Batch ID: BD10794 **Preparation Method:** EPA SW846-3060 **Prepared By:** OT

YORK Sample ID	Client Sample ID	Preparation Date
21D0652-01	081_LSB-26C	04/15/21
BD10794-BLK1	Blank	04/15/21
BD10794-DUP1	Duplicate	04/15/21
BD10794-MS1	Matrix Spike	04/15/21
BD10794-MS2	Matrix Spike	04/15/21
BD10794-SRM1	Reference	04/15/21

Batch ID: BD10856 **Preparation Method:** EPA 3550C **Prepared By:** MAM

YORK Sample ID	Client Sample ID	Preparation Date
21D0652-01	081_LSB-26C	04/15/21
21D0652-01	081_LSB-26C	04/15/21
BD10856-BLK1	Blank	04/15/21
BD10856-BLK2	Blank	04/15/21
BD10856-BS1	LCS	04/15/21



BD10856-BS2	LCS	04/15/21
BD10856-MS1	Matrix Spike	04/15/21
BD10856-MS2	Matrix Spike	04/15/21
BD10856-MSD1	Matrix Spike Dup	04/15/21
BD10856-MSD2	Matrix Spike Dup	04/15/21

Batch ID: BD10877 **Preparation Method:** EPA 3050B **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21D0652-01	081_LSB-26C	04/15/21
BD10877-BLK1	Blank	04/15/21
BD10877-DUP1	Duplicate	04/15/21
BD10877-MS1	Matrix Spike	04/15/21
BD10877-PS1	Post Spike	04/15/21
BD10877-SRM1	Reference	04/15/21

Batch ID: BD10882 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21D0652-01	081_LSB-26C	04/15/21
BD10882-BLK1	Blank	04/15/21
BD10882-DUP1	Duplicate	04/15/21
BD10882-MS1	Matrix Spike	04/15/21
BD10882-SRM1	Reference	04/15/21

Batch ID: BD10898 **Preparation Method:** EPA 3510C **Prepared By:** OC

YORK Sample ID	Client Sample ID	Preparation Date
21D0652-02	079_FB-4	04/16/21
BD10898-BLK1	Blank	04/16/21
BD10898-BLK2	Blank	04/16/21
BD10898-BS1	LCS	04/16/21
BD10898-BS2	LCS	04/16/21
BD10898-BSD1	LCS Dup	04/16/21

Batch ID: BD10900 **Preparation Method:** EPA 3550C **Prepared By:** S_K

YORK Sample ID	Client Sample ID	Preparation Date
21D0652-01	081_LSB-26C	04/16/21
BD10900-BLK1	Blank	04/16/21
BD10900-BS1	LCS	04/16/21
BD10900-MS1	Matrix Spike	04/16/21
BD10900-MSD1	Matrix Spike Dup	04/16/21

Batch ID: BD10922 **Preparation Method:** % Solids Prep **Prepared By:** ALH

YORK Sample ID	Client Sample ID	Preparation Date
21D0652-01	081_LSB-26C	04/16/21



BD10922-DUP1 Duplicate 04/16/21

Batch ID: BD10928 **Preparation Method:** EPA 3015A **Prepared By:** SK

YORK Sample ID	Client Sample ID	Preparation Date
21D0652-02	079_FB-4	04/16/21
BD10928-BLK1	Blank	04/16/21
BD10928-BS1	LCS	04/16/21
BD10928-DUP1	Duplicate	04/16/21
BD10928-MS1	Matrix Spike	04/16/21
BD10928-PS1	Post Spike	04/16/21

Batch ID: BD10929 **Preparation Method:** EPA 3015A **Prepared By:** SK

YORK Sample ID	Client Sample ID	Preparation Date
21D0652-02	079_FB-4	04/16/21
BD10929-BLK1	Blank	04/16/21
BD10929-BS1	LCS	04/16/21
BD10929-DUP1	Duplicate	04/16/21
BD10929-MS1	Matrix Spike	04/16/21

Batch ID: BD10940 **Preparation Method:** EPA 3546 SVOA **Prepared By:** MAM

YORK Sample ID	Client Sample ID	Preparation Date
21D0652-01	081_LSB-26C	04/16/21
BD10940-BLK1	Blank	04/16/21
BD10940-BS1	LCS	04/16/21
BD10940-MS1	Matrix Spike	04/16/21
BD10940-MSD1	Matrix Spike Dup	04/16/21

Batch ID: BD10959 **Preparation Method:** EPA 3535A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21D0652-02	079_FB-4	04/19/21
BD10959-BLK1	Blank	04/19/21
BD10959-BS1	LCS	04/19/21
BD10959-MS1	Matrix Spike	04/19/21
BD10959-MSD1	Matrix Spike Dup	04/19/21

Batch ID: BD10964 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21D0652-01	081_LSB-26C	04/19/21
BD10964-BLK1	Blank	04/19/21
BD10964-BS1	LCS	04/19/21
BD10964-MS1	Matrix Spike	04/19/21
BD10964-MSD1	Matrix Spike Dup	04/19/21



Batch ID: BD10999 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21D0652-02	079_FB-4	04/19/21
21D0652-02	079_FB-4	04/19/21
BD10999-BLK1	Blank	04/19/21
BD10999-BLK2	Blank	04/19/21
BD10999-BS1	LCS	04/19/21
BD10999-BS2	LCS	04/19/21
BD10999-BSD1	LCS Dup	04/19/21
BD10999-BSD2	LCS Dup	04/19/21

Batch ID: BD11033 **Preparation Method:** EPA 8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21D0652-02	079_FB-4	04/20/21
BD11033-BLK1	Blank	04/20/21
BD11033-BS1	LCS	04/20/21
BD11033-BSD1	LCS Dup	04/20/21

Batch ID: BD11056 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WL

YORK Sample ID	Client Sample ID	Preparation Date
21D0652-01	081_LSB-26C	04/20/21
BD11056-BLK1	Blank	04/20/21
BD11056-BS1	LCS	04/20/21
BD11056-MS1	Matrix Spike	04/20/21
BD11056-MSD1	Matrix Spike Dup	04/20/21

Batch ID: BD11100 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
21D0652-02	079_FB-4	04/20/21
BD11100-BLK1	Blank	04/20/21
BD11100-BS1	LCS	04/20/21
BD11100-BS2	LCS	04/20/21

Batch ID: BD11144 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** SG

YORK Sample ID	Client Sample ID	Preparation Date
21D0652-02	079_FB-4	04/21/21
BD11144-BLK1	Blank	04/21/21
BD11144-BS1	LCS	04/21/21
BD11144-BSD1	LCS Dup	04/21/21



Batch ID: BD11239

Preparation Method: Analysis Preparation Soil

Prepared By: MAO

YORK Sample ID	Client Sample ID	Preparation Date
21D0652-01	081_LSB-26C	04/22/21
BD11239-BLK1	Blank	04/22/21
BD11239-DUP1	Duplicate	04/22/21
BD11239-MS1	Matrix Spike	04/22/21
BD11239-SRM1	Reference	04/22/21



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
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Batch BD10742 - EPA 5030B

Blank (BD10742-BLK1)	Blank	Prepared & Analyzed: 04/14/2021									
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	"								
1,1-Dichloropropylene	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	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	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	"								
Bromobenzene	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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD10742 - EPA 5030B

Blank (BD10742-BLK1)	Blank	Prepared & Analyzed: 04/14/2021									
Hexachlorobutadiene	ND	0.500	ug/L								
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	"								
<hr/>											
Surrogate: SURR: 1,2-Dichloroethane-d4	9.30		"	10.0		93.0	70-130				
Surrogate: SURR: Toluene-d8	10.1		"	10.0		101	70-130				
Surrogate: SURR: p-Bromofluorobenzene	9.41		"	10.0		94.1	70-130				

LCS (BD10742-BS1)	LCS	Prepared & Analyzed: 04/14/2021									
1,1,1,2-Tetrachloroethane	9.09		ug/L	10.0		90.9	82-126				30
1,1,1-Trichloroethane	8.00		"	10.0		80.0	70-130				20
1,1,1,2-Tetrachloroethane	9.11		"	10.0		91.1	70-130				20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.66		"	10.0		86.6	70-130				20
1,1,2-Trichloroethane	8.57		"	10.0		85.7	70-130				20
1,1-Dichloroethane	8.38		"	10.0		83.8	70-130				20
1,1-Dichloroethylene	8.17		"	10.0		81.7	70-130				20
1,1-Dichloropropylene	8.07		"	10.0		80.7	83-133	Low Bias			30
1,2,3-Trichlorobenzene	9.35		"	10.0		93.5	70-130				20
1,2,3-Trichloropropane	9.12		"	10.0		91.2	77-128				30
1,2,4-Trichlorobenzene	10.2		"	10.0		102	70-130				20
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132				20
1,2-Dibromo-3-chloropropane	7.80		"	10.0		78.0	40-160				20
1,2-Dibromoethane	8.67		"	10.0		86.7	70-130				20
1,2-Dichlorobenzene	10.2		"	10.0		102	70-130				20
1,2-Dichloroethane	7.89		"	10.0		78.9	70-130				20
1,2-Dichloropropane	9.32		"	10.0		93.2	70-130				20
1,3,5-Trimethylbenzene	10.4		"	10.0		104	80-131				30
1,3-Dichlorobenzene	10.0		"	10.0		100	70-130				20
1,3-Dichloropropane	8.67		"	10.0		86.7	81-125				30
1,4-Dichlorobenzene	10.1		"	10.0		101	70-130				20
1,4-Dioxane	107		"	210		51.1	40-160				20
2,2-Dichloropropane	8.28		"	10.0		82.8	56-150				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 BD10742 - EPA 5030B											
LCS (BD10742-BS1)	LCS										Prepared & Analyzed: 04/14/2021
2-Butanone	6.46		ug/L	10.0		64.6	40-160				20
2-Chlorotoluene	9.76		"	10.0		97.6	79-130				30
2-Hexanone	6.61		"	10.0		66.1	40-160				20
4-Chlorotoluene	9.91		"	10.0		99.1	79-128				30
4-Methyl-2-pentanone	6.76		"	10.0		67.6	40-160				20
Acetone	8.01		"	10.0		80.1	40-160				20
Acrolein	10.5		"	10.0		105	10-153				30
Acrylonitrile	8.25		"	10.0		82.5	51-150				30
Benzene	8.97		"	10.0		89.7	70-130				20
Bromobenzene	9.58		"	10.0		95.8	78-129				30
Bromochloromethane	8.34		"	10.0		83.4	70-130				20
Bromodichloromethane	8.62		"	10.0		86.2	70-130				20
Bromoform	8.48		"	10.0		84.8	70-130				20
Bromomethane	6.26		"	10.0		62.6	40-160				20
Carbon disulfide	9.44		"	10.0		94.4	40-160				20
Carbon tetrachloride	7.67		"	10.0		76.7	70-130				20
Chlorobenzene	9.44		"	10.0		94.4	70-130				20
Chloroethane	8.69		"	10.0		86.9	40-160				20
Chloroform	8.49		"	10.0		84.9	70-130				20
Chloromethane	10.2		"	10.0		102	40-160				20
cis-1,2-Dichloroethylene	8.56		"	10.0		85.6	70-130				20
cis-1,3-Dichloropropylene	8.42		"	10.0		84.2	70-130				20
Cyclohexane	5.95		"	10.0		59.5	70-130	Low Bias			20
Dibromochloromethane	8.70		"	10.0		87.0	70-130				20
Dibromomethane	8.62		"	10.0		86.2	72-134				30
Dichlorodifluoromethane	11.4		"	10.0		114	40-160				20
Ethyl Benzene	9.49		"	10.0		94.9	70-130				20
Hexachlorobutadiene	10.6		"	10.0		106	67-146				30
Isopropylbenzene	9.98		"	10.0		99.8	70-130				20
Methyl acetate	6.28		"	10.0		62.8	70-130	Low Bias			20
Methyl tert-butyl ether (MTBE)	7.63		"	10.0		76.3	70-130				20
Methylcyclohexane	8.21		"	10.0		82.1	70-130				20
Methylene chloride	9.37		"	10.0		93.7	70-130				20
n-Butylbenzene	10.0		"	10.0		100	79-132				30
n-Propylbenzene	10.2		"	10.0		102	78-133				30
o-Xylene	9.35		"	10.0		93.5	70-130				20
p- & m- Xylenes	19.4		"	20.0		97.0	70-130				20
p-Isopropyltoluene	10.5		"	10.0		105	81-136				30
sec-Butylbenzene	10.6		"	10.0		106	79-137				30
Styrene	9.44		"	10.0		94.4	70-130				20
tert-Butyl alcohol (TBA)	25.8		"	50.0		51.7	25-162				30
tert-Butylbenzene	8.74		"	10.0		87.4	77-138				30
Tetrachloroethylene	8.97		"	10.0		89.7	70-130				20
Toluene	9.31		"	10.0		93.1	70-130				20
trans-1,2-Dichloroethylene	8.88		"	10.0		88.8	70-130				20
trans-1,3-Dichloropropylene	8.05		"	10.0		80.5	70-130				20
Trichloroethylene	9.08		"	10.0		90.8	70-130				20
Trichlorofluoromethane	7.88		"	10.0		78.8	40-160				20
Vinyl Chloride	9.06		"	10.0		90.6	70-130				20
Surrogate: SURRE: 1,2-Dichloroethane-d4	8.36		"	10.0		83.6	70-130				
Surrogate: SURRE: Toluene-d8	10.5		"	10.0		105	70-130				



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 BD10742 - EPA 5030B											
LCS (BD10742-BS1)	LCS		Prepared & Analyzed: 04/14/2021								
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	9.84		ug/L	10.0		98.4	70-130				
LCS Dup (BD10742-BS1)	LCS Dup		Prepared & Analyzed: 04/14/2021								
1,1,1,2-Tetrachloroethane	8.89		ug/L	10.0		88.9	82-126		2.22	30	
1,1,1-Trichloroethane	7.48		"	10.0		74.8	70-130		6.72	20	
1,1,2,2-Tetrachloroethane	9.45		"	10.0		94.5	70-130		3.66	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.26		"	10.0		82.6	70-130		4.73	20	
1,1,2-Trichloroethane	9.14		"	10.0		91.4	70-130		6.44	20	
1,1-Dichloroethane	8.03		"	10.0		80.3	70-130		4.27	20	
1,1-Dichloroethylene	7.69		"	10.0		76.9	70-130		6.05	20	
1,1-Dichloropropylene	7.54		"	10.0		75.4	83-133	Low Bias	6.79	30	
1,2,3-Trichlorobenzene	9.85		"	10.0		98.5	70-130		5.21	20	
1,2,3-Trichloropropane	9.37		"	10.0		93.7	77-128		2.70	30	
1,2,4-Trichlorobenzene	10.3		"	10.0		103	70-130		0.978	20	
1,2,4-Trimethylbenzene	9.24		"	10.0		92.4	82-132		10.4	20	
1,2-Dibromo-3-chloropropane	8.38		"	10.0		83.8	40-160		7.17	20	
1,2-Dibromoethane	9.32		"	10.0		93.2	70-130		7.23	20	
1,2-Dichlorobenzene	9.68		"	10.0		96.8	70-130		5.04	20	
1,2-Dichloroethane	8.48		"	10.0		84.8	70-130		7.21	20	
1,2-Dichloropropane	8.91		"	10.0		89.1	70-130		4.50	20	
1,3,5-Trimethylbenzene	9.27		"	10.0		92.7	80-131		11.2	30	
1,3-Dichlorobenzene	9.33		"	10.0		93.3	70-130		7.43	20	
1,3-Dichloropropane	9.24		"	10.0		92.4	81-125		6.37	30	
1,4-Dichlorobenzene	9.48		"	10.0		94.8	70-130		6.04	20	
1,4-Dioxane	119		"	210		56.5	40-160		10.1	20	
2,2-Dichloropropane	7.68		"	10.0		76.8	56-150		7.52	30	
2-Butanone	7.25		"	10.0		72.5	40-160		11.5	20	
2-Chlorotoluene	8.79		"	10.0		87.9	79-130		10.5	30	
2-Hexanone	7.83		"	10.0		78.3	40-160		16.9	20	
4-Chlorotoluene	8.84		"	10.0		88.4	79-128		11.4	30	
4-Methyl-2-pentanone	8.09		"	10.0		80.9	40-160		17.9	20	
Acetone	9.99		"	10.0		99.9	40-160		22.0	20	Non-dir.
Acrolein	12.8		"	10.0		128	10-153		19.4	30	
Acrylonitrile	9.73		"	10.0		97.3	51-150		16.5	30	
Benzene	8.60		"	10.0		86.0	70-130		4.21	20	
Bromobenzene	8.98		"	10.0		89.8	78-129		6.47	30	
Bromochloromethane	8.58		"	10.0		85.8	70-130		2.84	20	
Bromodichloromethane	8.44		"	10.0		84.4	70-130		2.11	20	
Bromoform	9.26		"	10.0		92.6	70-130		8.79	20	
Bromomethane	5.98		"	10.0		59.8	40-160		4.58	20	
Carbon disulfide	8.82		"	10.0		88.2	40-160		6.79	20	
Carbon tetrachloride	7.18		"	10.0		71.8	70-130		6.60	20	
Chlorobenzene	9.03		"	10.0		90.3	70-130		4.44	20	
Chloroethane	8.36		"	10.0		83.6	40-160		3.87	20	
Chloroform	8.28		"	10.0		82.8	70-130		2.50	20	
Chloromethane	9.52		"	10.0		95.2	40-160		7.19	20	
cis-1,2-Dichloroethylene	8.20		"	10.0		82.0	70-130		4.30	20	
cis-1,3-Dichloropropylene	8.33		"	10.0		83.3	70-130		1.07	20	
Cyclohexane	5.61		"	10.0		56.1	70-130	Low Bias	5.88	20	
Dibromochloromethane	8.98		"	10.0		89.8	70-130		3.17	20	
Dibromomethane	8.82		"	10.0		88.2	72-134		2.29	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 BD10742 - EPA 5030B											
LCS Dup (BD10742-BSD1)	LCS Dup						Prepared & Analyzed: 04/14/2021				
Dichlorodifluoromethane	10.6		ug/L	10.0		106	40-160		7.29	20	
Ethyl Benzene	8.80		"	10.0		88.0	70-130		7.55	20	
Hexachlorobutadiene	10.4		"	10.0		104	67-146		2.76	30	
Isopropylbenzene	8.76		"	10.0		87.6	70-130		13.0	20	
Methyl acetate	7.57		"	10.0		75.7	70-130		18.6	20	
Methyl tert-butyl ether (MTBE)	8.74		"	10.0		87.4	70-130		13.6	20	
Methylcyclohexane	7.48		"	10.0		74.8	70-130		9.31	20	
Methylene chloride	9.21		"	10.0		92.1	70-130		1.72	20	
n-Butylbenzene	8.78		"	10.0		87.8	79-132		13.2	30	
n-Propylbenzene	8.86		"	10.0		88.6	78-133		13.8	30	
o-Xylene	8.81		"	10.0		88.1	70-130		5.95	20	
p- & m- Xylenes	18.0		"	20.0		90.0	70-130		7.54	20	
p-Isopropyltoluene	9.36		"	10.0		93.6	81-136		11.5	30	
sec-Butylbenzene	9.38		"	10.0		93.8	79-137		12.2	30	
Styrene	9.23		"	10.0		92.3	70-130		2.25	20	
tert-Butyl alcohol (TBA)	37.3		"	50.0		74.6	25-162		36.2	30	Non-dir.
tert-Butylbenzene	7.62		"	10.0		76.2	77-138	Low Bias	13.7	30	
Tetrachloroethylene	8.24		"	10.0		82.4	70-130		8.48	20	
Toluene	8.62		"	10.0		86.2	70-130		7.70	20	
trans-1,2-Dichloroethylene	8.39		"	10.0		83.9	70-130		5.67	20	
trans-1,3-Dichloropropylene	8.37		"	10.0		83.7	70-130		3.90	20	
Trichloroethylene	8.20		"	10.0		82.0	70-130		10.2	20	
Trichlorofluoromethane	7.31		"	10.0		73.1	40-160		7.50	20	
Vinyl Chloride	8.35		"	10.0		83.5	70-130		8.16	20	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.04</i>		<i>"</i>	<i>10.0</i>		<i>90.4</i>	<i>70-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>70-130</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.59</i>		<i>"</i>	<i>10.0</i>		<i>95.9</i>	<i>70-130</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BD10743 - EPA 5035A

Blank (BD10743-BLK1)	Blank	Prepared & Analyzed: 04/14/2021										
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	"									
1,1-Dichloropropylene	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	"									
1,3-Dichloropropane	ND	0.0050	"									
1,4-Dichlorobenzene	ND	0.0050	"									
1,4-Dioxane	ND	0.10	"									
2,2-Dichloropropane	ND	0.0050	"									
2-Butanone	ND	0.0050	"									
2-Chlorotoluene	ND	0.0050	"									
2-Hexanone	ND	0.0050	"									
4-Chlorotoluene	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	"									
Bromobenzene	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	0.0031	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	"									



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD10743 - EPA 5035A

Blank (BD10743-BLK1)	Blank	Prepared & Analyzed: 04/14/2021									
Isopropylbenzene	ND	0.0050	mg/kg wet								
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>	47.1		ug/L	50.0		94.2	77-125				
<i>Surrogate: SURR: Toluene-d8</i>	53.8		"	50.0		108	85-120				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	51.7		"	50.0		103	76-130				

Blank (BD10743-BLK2)	HOLDING BLANK- 21D0604	Prepared & Analyzed: 04/14/2021									
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	"								
1,1-Dichloropropylene	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	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	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
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Batch BD10743 - EPA 5035A

Blank (BD10743-BLK2)	HOLDING BLANK- 21D0604										Prepared & Analyzed: 04/14/2021
2-Chlorotoluene	ND	0.0050	mg/kg wet								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	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	"								
Bromobenzene	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	0.0030	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

47.4 ug/L

50.0

94.9

77-125

Surrogate: SURRE: Toluene-d8

53.0

50.0

106

85-120





Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BD10743 - EPA 5035A

Blank (BD10743-BLK2) HOLDING BLANK- 21D0604

Prepared & Analyzed: 04/14/2021

Surrogate: *SURR: p-Bromofluorobenzene* 50.6 ug/L 50.0 101 76-130

Blank (BD10743-BLK3) HOLDING BLANK- 21D0652

Prepared & Analyzed: 04/14/2021

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	"
1,1-Dichloropropylene	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	"
1,3-Dichloropropane	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
1,4-Dioxane	ND	0.10	"
2,2-Dichloropropane	ND	0.0050	"
2-Butanone	ND	0.0050	"
2-Chlorotoluene	ND	0.0050	"
2-Hexanone	ND	0.0050	"
4-Chlorotoluene	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	"
Bromobenzene	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	0.0028	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	"



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BD10743 - EPA 5035A

Blank (BD10743-BLK3)	HOLDING BLANK- 21D0652		Prepared & Analyzed: 04/14/2021								
Dichlorodifluoromethane	ND	0.0050	mg/kg wet								
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	"								
<hr/>											
Surrogate: SURRE: 1,2-Dichloroethane-d4	48.4		ug/L	50.0		96.7		77-125			
Surrogate: SURRE: Toluene-d8	53.3		"	50.0		107		85-120			
Surrogate: SURRE: p-Bromofluorobenzene	49.9		"	50.0		99.9		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 BD10743 - EPA 5035A											
LCS (BD10743-BS1)	LCS										Prepared & Analyzed: 04/14/2021
1,1,1,2-Tetrachloroethane	46.4		ug/L	50.0		92.8	75-129			30	
1,1,1-Trichloroethane	45.5		"	50.0		91.0	70-130			30	
1,1,2,2-Tetrachloroethane	55.4		"	50.0		111	70-130			30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	41.9		"	50.0		83.7	70-130			30	
1,1,2-Trichloroethane	53.1		"	50.0		106	70-130			30	
1,1-Dichloroethane	42.7		"	50.0		85.4	70-130			30	
1,1-Dichloroethylene	38.0		"	50.0		76.0	70-130			30	
1,1-Dichloropropylene	44.2		"	50.0		88.5	77-127			30	
1,2,3-Trichlorobenzene	60.6		"	50.0		121	70-130			30	
1,2,3-Trichloropropane	53.4		"	50.0		107	81-126			30	
1,2,4-Trichlorobenzene	60.9		"	50.0		122	70-130			30	
1,2,4-Trimethylbenzene	53.8		"	50.0		108	84-125			30	
1,2-Dibromo-3-chloropropane	52.5		"	50.0		105	40-160			30	
1,2-Dibromoethane	53.4		"	50.0		107	70-130			30	
1,2-Dichlorobenzene	55.4		"	50.0		111	70-130			30	
1,2-Dichloroethane	43.6		"	50.0		87.2	70-130			30	
1,2-Dichloropropane	50.7		"	50.0		101	70-130			30	
1,3,5-Trimethylbenzene	54.4		"	50.0		109	82-126			30	
1,3-Dichlorobenzene	55.0		"	50.0		110	70-130			30	
1,3-Dichloropropane	51.1		"	50.0		102	83-123			30	
1,4-Dichlorobenzene	54.6		"	50.0		109	70-130			30	
1,4-Dioxane	995		"	1050		94.7	40-160			30	
2,2-Dichloropropane	41.1		"	50.0		82.2	67-136			30	
2-Butanone	34.3		"	50.0		68.6	40-160			30	
2-Chlorotoluene	52.6		"	50.0		105	78-127			30	
2-Hexanone	47.7		"	50.0		95.5	40-160			30	
4-Chlorotoluene	54.5		"	50.0		109	79-125			30	
4-Methyl-2-pentanone	49.6		"	50.0		99.2	40-160			30	
Acetone	28.8		"	50.0		57.5	40-160			30	
Acrolein	59.8		"	50.0		120	10-238			30	
Acrylonitrile	45.1		"	50.0		90.1	66-141			30	
Benzene	45.9		"	50.0		91.9	70-130			30	
Bromobenzene	52.7		"	50.0		105	77-129			30	
Bromochloromethane	44.1		"	50.0		88.2	70-130			30	
Bromodichloromethane	52.7		"	50.0		105	70-130			30	
Bromoform	48.6		"	50.0		97.2	70-130			30	
Bromomethane	44.9		"	50.0		89.8	40-160			30	
Carbon disulfide	47.9		"	50.0		95.7	40-160			30	
Carbon tetrachloride	40.0		"	50.0		80.1	70-130			30	
Chlorobenzene	52.3		"	50.0		105	70-130			30	
Chloroethane	34.0		"	50.0		67.9	51-142			30	
Chloroform	49.2		"	50.0		98.3	70-130			30	
Chloromethane	39.2		"	50.0		78.4	49-132			30	
cis-1,2-Dichloroethylene	45.6		"	50.0		91.2	70-130			30	
cis-1,3-Dichloropropylene	45.3		"	50.0		90.7	70-130			30	
Cyclohexane	39.8		"	50.0		79.7	70-130			30	
Dibromochloromethane	47.6		"	50.0		95.1	70-130			30	
Dibromomethane	51.7		"	50.0		103	83-124			30	
Dichlorodifluoromethane	47.2		"	50.0		94.3	40-160			30	
Ethyl Benzene	50.1		"	50.0		100	70-130			30	
Hexachlorobutadiene	61.1		"	50.0		122	83-133			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 BD10743 - EPA 5035A											
LCS (BD10743-BS1)	LCS										Prepared & Analyzed: 04/14/2021
Isopropylbenzene	52.4		ug/L	50.0		105	70-130			30	
Methyl acetate	35.1		"	50.0		70.1	70-130			30	
Methyl tert-butyl ether (MTBE)	48.0		"	50.0		95.9	70-130			30	
Methylcyclohexane	45.2		"	50.0		90.5	70-130			30	
Methylene chloride	44.6		"	50.0		89.1	70-130			30	
n-Butylbenzene	50.8		"	50.0		102	80-130			30	
n-Propylbenzene	51.7		"	50.0		103	74-136			30	
o-Xylene	50.7		"	50.0		101	70-130			30	
p- & m- Xylenes	102		"	100		102	70-130			30	
p-Isopropyltoluene	55.2		"	50.0		110	85-125			30	
sec-Butylbenzene	55.5		"	50.0		111	83-125			30	
Styrene	53.3		"	50.0		107	70-130			30	
tert-Butyl alcohol (TBA)	233		"	250		93.2	70-130			30	
tert-Butylbenzene	53.3		"	50.0		107	80-127			30	
Tetrachloroethylene	50.2		"	50.0		100	70-130			30	
Toluene	50.1		"	50.0		100	70-130			30	
trans-1,2-Dichloroethylene	45.2		"	50.0		90.5	70-130			30	
trans-1,3-Dichloropropylene	45.4		"	50.0		90.7	70-130			30	
Trichloroethylene	50.9		"	50.0		102	70-130			30	
Trichlorofluoromethane	34.8		"	50.0		69.6	40-160			30	
Vinyl Chloride	38.4		"	50.0		76.8	70-130			30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	47.8		"	50.0		95.6	77-125				
<i>Surrogate: SURR: Toluene-d8</i>	53.3		"	50.0		107	85-120				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	48.7		"	50.0		97.5	76-130				
LCS Dup (BD10743-BSD1)	LCS Dup										Prepared & Analyzed: 04/14/2021
1,1,1,2-Tetrachloroethane	46.0		ug/L	50.0		92.1	75-129		0.800	30	
1,1,1-Trichloroethane	46.5		"	50.0		93.0	70-130		2.09	30	
1,1,2,2-Tetrachloroethane	57.2		"	50.0		114	70-130		3.28	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	42.6		"	50.0		85.2	70-130		1.80	30	
1,1,2-Trichloroethane	52.7		"	50.0		105	70-130		0.813	30	
1,1-Dichloroethane	42.8		"	50.0		85.6	70-130		0.304	30	
1,1-Dichloroethylene	38.9		"	50.0		77.8	70-130		2.31	30	
1,1-Dichloropropylene	44.4		"	50.0		88.7	77-127		0.316	30	
1,2,3-Trichlorobenzene	61.9		"	50.0		124	70-130		2.15	30	
1,2,3-Trichloropropane	55.4		"	50.0		111	81-126		3.68	30	
1,2,4-Trichlorobenzene	62.3		"	50.0		125	70-130		2.22	30	
1,2,4-Trimethylbenzene	53.9		"	50.0		108	84-125		0.204	30	
1,2-Dibromo-3-chloropropane	55.6		"	50.0		111	40-160		5.74	30	
1,2-Dibromoethane	54.8		"	50.0		110	70-130		2.50	30	
1,2-Dichlorobenzene	57.2		"	50.0		114	70-130		3.14	30	
1,2-Dichloroethane	44.3		"	50.0		88.6	70-130		1.52	30	
1,2-Dichloropropane	51.1		"	50.0		102	70-130		0.766	30	
1,3,5-Trimethylbenzene	55.2		"	50.0		110	82-126		1.35	30	
1,3-Dichlorobenzene	54.6		"	50.0		109	70-130		0.785	30	
1,3-Dichloropropane	50.9		"	50.0		102	83-123		0.274	30	
1,4-Dichlorobenzene	55.7		"	50.0		111	70-130		1.98	30	
1,4-Dioxane	1120		"	1050		107	40-160		12.2	30	
2,2-Dichloropropane	42.2		"	50.0		84.3	67-136		2.55	30	
2-Butanone	39.5		"	50.0		79.0	40-160		14.1	30	
2-Chlorotoluene	53.2		"	50.0		106	78-127		1.10	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 BD10743 - EPA 5035A											
LCS Dup (BD10743-BSD1)	LCS Dup	Prepared & Analyzed: 04/14/2021									
2-Hexanone	50.2		ug/L	50.0		100	40-160		5.10	30	
4-Chlorotoluene	54.9		"	50.0		110	79-125		0.768	30	
4-Methyl-2-pentanone	51.6		"	50.0		103	40-160		3.95	30	
Acetone	29.0		"	50.0		57.9	40-160		0.658	30	
Acrolein	62.0		"	50.0		124	10-238		3.63	30	
Acrylonitrile	47.4		"	50.0		94.7	66-141		4.96	30	
Benzene	46.7		"	50.0		93.5	70-130		1.73	30	
Bromobenzene	52.0		"	50.0		104	77-129		1.24	30	
Bromochloromethane	44.3		"	50.0		88.7	70-130		0.497	30	
Bromodichloromethane	52.9		"	50.0		106	70-130		0.398	30	
Bromoform	50.1		"	50.0		100	70-130		3.02	30	
Bromomethane	45.9		"	50.0		91.8	40-160		2.14	30	
Carbon disulfide	46.8		"	50.0		93.7	40-160		2.18	30	
Carbon tetrachloride	41.3		"	50.0		82.5	70-130		3.05	30	
Chlorobenzene	52.2		"	50.0		104	70-130		0.172	30	
Chloroethane	32.7		"	50.0		65.3	51-142		3.90	30	
Chloroform	49.3		"	50.0		98.6	70-130		0.223	30	
Chloromethane	39.4		"	50.0		78.9	49-132		0.585	30	
cis-1,2-Dichloroethylene	45.5		"	50.0		91.0	70-130		0.198	30	
cis-1,3-Dichloropropylene	45.4		"	50.0		90.7	70-130		0.0220	30	
Cyclohexane	40.7		"	50.0		81.4	70-130		2.11	30	
Dibromochloromethane	48.3		"	50.0		96.6	70-130		1.54	30	
Dibromomethane	51.3		"	50.0		103	83-124		0.835	30	
Dichlorodifluoromethane	48.7		"	50.0		97.4	40-160		3.23	30	
Ethyl Benzene	50.5		"	50.0		101	70-130		0.736	30	
Hexachlorobutadiene	62.2		"	50.0		124	83-133		1.88	30	
Isopropylbenzene	53.1		"	50.0		106	70-130		1.25	30	
Methyl acetate	36.9		"	50.0		73.8	70-130		5.06	30	
Methyl tert-butyl ether (MTBE)	48.3		"	50.0		96.6	70-130		0.706	30	
Methylcyclohexane	45.8		"	50.0		91.7	70-130		1.30	30	
Methylene chloride	44.8		"	50.0		89.6	70-130		0.515	30	
n-Butylbenzene	52.4		"	50.0		105	80-130		3.06	30	
n-Propylbenzene	52.2		"	50.0		104	74-136		0.944	30	
o-Xylene	50.6		"	50.0		101	70-130		0.178	30	
p- & m- Xylenes	103		"	100		103	70-130		0.712	30	
p-Isopropyltoluene	56.2		"	50.0		112	85-125		1.81	30	
sec-Butylbenzene	56.4		"	50.0		113	83-125		1.57	30	
Styrene	52.9		"	50.0		106	70-130		0.697	30	
tert-Butyl alcohol (TBA)	260		"	250		104	70-130		11.0	30	
tert-Butylbenzene	53.9		"	50.0		108	80-127		1.19	30	
Tetrachloroethylene	51.4		"	50.0		103	70-130		2.44	30	
Toluene	50.2		"	50.0		100	70-130		0.159	30	
trans-1,2-Dichloroethylene	45.9		"	50.0		91.8	70-130		1.47	30	
trans-1,3-Dichloropropylene	45.3		"	50.0		90.5	70-130		0.243	30	
Trichloroethylene	51.3		"	50.0		103	70-130		0.764	30	
Trichlorofluoromethane	35.7		"	50.0		71.4	40-160		2.55	30	
Vinyl Chloride	39.2		"	50.0		78.3	70-130		1.91	30	
Surrogate: SURRE: 1,2-Dichloroethane-d4	47.7		"	50.0		95.4	77-125				
Surrogate: SURRE: Toluene-d8	53.3		"	50.0		107	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	48.2		"	50.0		96.4	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
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Batch BD10898 - EPA 3510C

Blank (BD10898-BLK1) Blank Prepared: 04/16/2021 Analyzed: 04/19/2021

1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	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	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	ND	5.00	"								
N-nitroso-di-n-propylamine	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
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Batch BD10898 - EPA 3510C

Blank (BD10898-BLK1)		Blank										Prepared: 04/16/2021 Analyzed: 04/19/2021	
N-Nitrosodiphenylamine	ND	5.00	ug/L										
Phenol	ND	5.00	"										
Pyridine	ND	5.00	"										
<i>Surrogate: SURR: 2-Fluorophenol</i>	<i>17.5</i>		<i>"</i>	<i>50.0</i>		<i>35.1</i>	<i>19.7-63.1</i>						
<i>Surrogate: SURR: Phenol-d5</i>	<i>11.1</i>		<i>"</i>	<i>50.0</i>		<i>22.3</i>	<i>10.1-41.7</i>						
<i>Surrogate: SURR: Nitrobenzene-d5</i>	<i>15.9</i>		<i>"</i>	<i>25.0</i>		<i>63.5</i>	<i>50.2-113</i>						
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	<i>14.7</i>		<i>"</i>	<i>25.0</i>		<i>58.9</i>	<i>39.9-105</i>						
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	<i>36.4</i>		<i>"</i>	<i>50.0</i>		<i>72.7</i>	<i>39.3-151</i>						
<i>Surrogate: SURR: Terphenyl-d14</i>	<i>24.0</i>		<i>"</i>	<i>25.0</i>		<i>96.0</i>	<i>30.7-106</i>						

Blank (BD10898-BLK2)		Blank										Prepared: 04/16/2021 Analyzed: 04/19/2021	
1,1-Biphenyl	ND	5.00	ug/L										
1,2,4,5-Tetrachlorobenzene	ND	5.00	"										
1,2,4-Trichlorobenzene	ND	5.00	"										
1,2-Dichlorobenzene	ND	5.00	"										
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"										
1,3-Dichlorobenzene	ND	5.00	"										
1,4-Dichlorobenzene	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	"										
Benzdine	ND	5.00	"										
Benzo(a)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
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Batch BD10898 - EPA 3510C

Blank (BD10898-BLK2) Blank Prepared: 04/16/2021 Analyzed: 04/19/2021

Benzo(a)pyrene	ND	0.0500	ug/L								
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	"								
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	"								
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: SURRE: 2-Fluorophenol	0.00		"	50.0			19.7-63.1				
Surrogate: SURRE: Phenol-d5	0.00		"	50.0			10.1-41.7				
Surrogate: SURRE: Nitrobenzene-d5	0.00		"	25.0			50.2-113				
Surrogate: SURRE: 2-Fluorobiphenyl	0.00		"	25.0			39.9-105				
Surrogate: SURRE: 2,4,6-Tribromophenol	0.00		"	50.0			39.3-151				
Surrogate: SURRE: 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 BD10898 - EPA 3510C											
LCS (BD10898-BS1)	LCS	Prepared: 04/16/2021 Analyzed: 04/19/2021									
1,1-Biphenyl	11.6	5.00	ug/L	25.0		46.2	33-95				
1,2,4,5-Tetrachlorobenzene	10.6	5.00	"	25.0		42.5	26-120				
1,2,4-Trichlorobenzene	11.3	5.00	"	25.0		45.2	20-118				
1,2-Dichlorobenzene	10.4	5.00	"	25.0		41.6	29-111				
1,2-Diphenylhydrazine (as Azobenzene)	12.6	5.00	"	25.0		50.2	16-141				
1,3-Dichlorobenzene	9.73	5.00	"	25.0		38.9	23-117				
1,4-Dichlorobenzene	9.89	5.00	"	25.0		39.6	30-105				
2,3,4,6-Tetrachlorophenol	13.8	5.00	"	25.0		55.2	30-130				
2,4,5-Trichlorophenol	10.9	5.00	"	25.0		43.5	32-114				
2,4,6-Trichlorophenol	11.7	5.00	"	25.0		46.9	35-118				
2,4-Dichlorophenol	13.4	5.00	"	25.0		53.6	25-116				
2,4-Dimethylphenol	11.2	5.00	"	25.0		44.7	15-116				
2,4-Dinitrophenol	16.8	5.00	"	25.0		67.2	10-170				
2,4-Dinitrotoluene	16.5	5.00	"	25.0		65.8	41-128				
2,6-Dinitrotoluene	16.4	5.00	"	25.0		65.6	45-116				
2-Chloronaphthalene	11.1	5.00	"	25.0		44.3	33-112				
2-Chlorophenol	11.1	5.00	"	25.0		44.4	15-120				
2-Methylnaphthalene	12.9	5.00	"	25.0		51.7	24-118				
2-Methylphenol	9.67	5.00	"	25.0		38.7	10-110				
2-Nitroaniline	15.9	5.00	"	25.0		63.7	34-129				
2-Nitrophenol	18.0	5.00	"	25.0		71.9	28-118				
3- & 4-Methylphenols	6.57	5.00	"	25.0		26.3	10-107				
3,3-Dichlorobenzidine	11.6	5.00	"	25.0		46.5	15-187				
3-Nitroaniline	13.9	5.00	"	25.0		55.7	24-134				
4,6-Dinitro-2-methylphenol	19.3	5.00	"	25.0		77.2	10-153				
4-Bromophenyl phenyl ether	12.6	5.00	"	25.0		50.3	34-120				
4-Chloro-3-methylphenol	12.5	5.00	"	25.0		50.0	20-120				
4-Chloroaniline	9.77	5.00	"	25.0		39.1	10-147				
4-Chlorophenyl phenyl ether	11.0	5.00	"	25.0		43.8	27-121				
4-Nitroaniline	13.5	5.00	"	25.0		54.1	13-134				
4-Nitrophenol	6.87	5.00	"	25.0		27.5	10-131				
Acetophenone	11.3	5.00	"	25.0		45.4	25-110				
Aniline	9.08	5.00	"	25.0		36.3	10-117				
Benzaldehyde	12.2	5.00	"	25.0		48.8	29-117				
Benzoic acid	5.37	5.00	"	25.0		21.5	30-130	Low Bias			
Benzyl alcohol	11.7	5.00	"	25.0		46.9	10-117				
Benzyl butyl phthalate	14.8	5.00	"	25.0		59.4	29-133				
Bis(2-chloroethoxy)methane	11.8	5.00	"	25.0		47.0	10-154				
Bis(2-chloroethyl)ether	10.3	5.00	"	25.0		41.0	17-125				
Bis(2-chloroisopropyl)ether	8.13	5.00	"	25.0		32.5	10-139				
Caprolactam	5.62	5.00	"	25.0		22.5	10-137				
Carbazole	12.8	5.00	"	25.0		51.3	42-126				
Dibenzofuran	11.9	5.00	"	25.0		47.6	36-113				
Diethyl phthalate	12.7	5.00	"	25.0		50.8	38-115				
Dimethyl phthalate	11.9	5.00	"	25.0		47.7	38-129				
Di-n-butyl phthalate	14.5	5.00	"	25.0		58.0	31-120				
Di-n-octyl phthalate	16.8	5.00	"	25.0		67.2	21-149				
Hexachlorocyclopentadiene	8.78	10.0	"	25.0		35.1	10-130				
Isophorone	12.0	5.00	"	25.0		48.0	25-127				
N-nitroso-di-n-propylamine	10.1	5.00	"	25.0		40.4	26-122				
N-Nitrosodiphenylamine	15.4	5.00	"	25.0		61.4	23-149				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit	Units							Level	Result	RPD	Limit	Flag
Batch BD10898 - EPA 3510C											
LCS (BD10898-BS1)	LCS	Prepared: 04/16/2021 Analyzed: 04/19/2021									
Phenol	5.69	5.00	ug/L	25.0		22.8		10-110			
Pyridine	5.08	5.00	"	25.2		20.1		10-90			
<i>Surrogate: SURR: 2-Fluorophenol</i>	<i>13.6</i>		<i>"</i>	<i>50.0</i>		<i>27.2</i>		<i>19.7-63.1</i>			
<i>Surrogate: SURR: Phenol-d5</i>	<i>8.58</i>		<i>"</i>	<i>50.0</i>		<i>17.2</i>		<i>10.1-41.7</i>			
<i>Surrogate: SURR: Nitrobenzene-d5</i>	<i>14.3</i>		<i>"</i>	<i>25.0</i>		<i>57.4</i>		<i>50.2-113</i>			
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	<i>10.8</i>		<i>"</i>	<i>25.0</i>		<i>43.4</i>		<i>39.9-105</i>			
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	<i>29.5</i>		<i>"</i>	<i>50.0</i>		<i>59.0</i>		<i>39.3-151</i>			
<i>Surrogate: SURR: Terphenyl-d14</i>	<i>14.0</i>		<i>"</i>	<i>25.0</i>		<i>55.9</i>		<i>30.7-106</i>			
LCS (BD10898-BS2)	LCS	Prepared: 04/16/2021 Analyzed: 04/19/2021									
1,1-Biphenyl	ND	5.00	ug/L					33-95			
1,2,4,5-Tetrachlorobenzene	ND	5.00	"					26-120			
1,2,4-Trichlorobenzene	ND	5.00	"	1.00				20-118	Low Bias		
1,2-Dichlorobenzene	ND	5.00	"	1.00				29-111	Low Bias		
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"	1.00				16-141	Low Bias		
1,3-Dichlorobenzene	ND	5.00	"	1.00				23-117	Low Bias		
1,4-Dichlorobenzene	ND	5.00	"	1.00				30-105	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	0.720	0.0500	"	1.00		72.0		25-116			
Acenaphthylene	0.750	0.0500	"	1.00		75.0		26-116			
Acetophenone	ND	5.00	"					25-110			
Aniline	ND	5.00	"	1.00				10-117	Low Bias		
Anthracene	0.730	0.0500	"	1.00		73.0		25-123			
Benzaldehyde	ND	5.00	"					29-117			
Benzo(a)anthracene	0.780	0.0500	"	1.00		78.0		33-125			
Benzo(a)pyrene	0.660	0.0500	"	1.00		66.0		32-132			
Benzo(b)fluoranthene	0.770	0.0500	"	1.00		77.0		22-137			
Benzo(g,h,i)perylene	0.940	0.0500	"	1.00		94.0		10-138			



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
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Batch BD10898 - EPA 3510C

LCS (BD10898-BS2)	LCS	Prepared: 04/16/2021 Analyzed: 04/19/2021									
Benzo(k)fluoranthene	0.710	0.0500	ug/L	1.00		71.0	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	1.26	0.500	"	1.00		126	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	0.850	0.0500	"	1.00		85.0	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			
Fluoranthene	0.810	0.0500	"	1.00		81.0	32-121				
Fluorene	0.780	0.0500	"	1.00		78.0	28-118				
Hexachlorobenzene	0.680	0.0200	"	1.00		68.0	23-124				
Hexachlorobutadiene	0.790	0.500	"	1.00		79.0	15-123				
Hexachlorocyclopentadiene	ND	10.0	"	1.00			10-130	Low Bias			
Hexachloroethane	0.640	0.500	"	1.00		64.0	18-115				
Indeno(1,2,3-cd)pyrene	0.850	0.0500	"	1.00		85.0	15-135				
Isophorone	ND	5.00	"	1.00			25-127	Low Bias			
Naphthalene	0.730	0.0500	"	1.00		73.0	18-120				
Nitrobenzene	0.680	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	0.770	0.250	"	1.00		77.0	10-156				
Phenanthrene	0.770	0.0500	"	1.00		77.0	24-127				
Phenol	ND	5.00	"	1.00			10-110	Low Bias			
Pyrene	0.770	0.0500	"	1.00		77.0	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 BD10898 - EPA 3510C											
LCS Dup (BD10898-BS1)	LCS Dup	Prepared: 04/16/2021 Analyzed: 04/19/2021									
1,1-Biphenyl	18.1	5.00	ug/L	25.0		72.6	33-95		44.3	20	Non-dir.
1,2,4,5-Tetrachlorobenzene	17.8	5.00	"	25.0		71.0	26-120		50.2	20	Non-dir.
1,2,4-Trichlorobenzene	17.2	5.00	"	25.0		68.7	20-118		41.2	20	Non-dir.
1,2-Dichlorobenzene	16.6	5.00	"	25.0		66.3	29-111		45.8	20	Non-dir.
1,2-Diphenylhydrazine (as Azobenzene)	19.6	5.00	"	25.0		78.4	16-141		43.9	20	Non-dir.
1,3-Dichlorobenzene	15.9	5.00	"	25.0		63.5	23-117		48.0	20	Non-dir.
1,4-Dichlorobenzene	16.2	5.00	"	25.0		64.7	30-105		48.2	20	Non-dir.
2,3,4,6-Tetrachlorophenol	23.8	5.00	"	25.0		95.4	30-130		53.3	20	Non-dir.
2,4,5-Trichlorophenol	18.9	5.00	"	25.0		75.7	32-114		54.0	20	Non-dir.
2,4,6-Trichlorophenol	20.4	5.00	"	25.0		81.5	35-118		54.0	20	Non-dir.
2,4-Dichlorophenol	19.7	5.00	"	25.0		78.8	25-116		37.9	20	Non-dir.
2,4-Dimethylphenol	16.6	5.00	"	25.0		66.4	15-116		39.0	20	Non-dir.
2,4-Dinitrophenol	31.0	5.00	"	25.0		124	10-170		59.2	20	Non-dir.
2,4-Dinitrotoluene	26.9	5.00	"	25.0		107	41-128		48.0	20	Non-dir.
2,6-Dinitrotoluene	26.9	5.00	"	25.0		108	45-116		48.5	20	Non-dir.
2-Chloronaphthalene	17.8	5.00	"	25.0		71.3	33-112		46.6	20	Non-dir.
2-Chlorophenol	17.8	5.00	"	25.0		71.1	15-120		46.2	20	Non-dir.
2-Methylnaphthalene	20.4	5.00	"	25.0		81.4	24-118		44.6	20	Non-dir.
2-Methylphenol	15.5	5.00	"	25.0		62.2	10-110		46.6	20	Non-dir.
2-Nitroaniline	25.8	5.00	"	25.0		103	34-129		47.4	20	Non-dir.
2-Nitrophenol	26.4	5.00	"	25.0		106	28-118		37.9	20	Non-dir.
3- & 4-Methylphenols	10.6	5.00	"	25.0		42.3	10-107		46.7	20	Non-dir.
3,3-Dichlorobenzidine	18.3	5.00	"	25.0		73.1	15-187		44.5	20	Non-dir.
3-Nitroaniline	22.6	5.00	"	25.0		90.5	24-134		47.7	20	Non-dir.
4,6-Dinitro-2-methylphenol	31.6	5.00	"	25.0		126	10-153		48.4	20	Non-dir.
4-Bromophenyl phenyl ether	19.8	5.00	"	25.0		79.0	34-120		44.5	20	Non-dir.
4-Chloro-3-methylphenol	20.3	5.00	"	25.0		81.0	20-120		47.5	20	Non-dir.
4-Chloroaniline	15.8	5.00	"	25.0		63.2	10-147		47.2	20	Non-dir.
4-Chlorophenyl phenyl ether	18.4	5.00	"	25.0		73.6	27-121		50.8	20	Non-dir.
4-Nitroaniline	22.4	5.00	"	25.0		89.6	13-134		49.4	20	Non-dir.
4-Nitrophenol	11.1	5.00	"	25.0		44.5	10-131		47.3	20	Non-dir.
Acetophenone	17.5	5.00	"	25.0		69.8	25-110		42.5	20	Non-dir.
Aniline	14.4	5.00	"	25.0		57.6	10-117		45.3	20	Non-dir.
Benzaldehyde	18.8	5.00	"	25.0		75.0	29-117		42.5	20	Non-dir.
Benzoic acid	9.02	5.00	"	25.0		36.1	30-130		50.7	20	Non-dir.
Benzyl alcohol	18.4	5.00	"	25.0		73.6	10-117		44.4	20	Non-dir.
Benzyl butyl phthalate	23.7	5.00	"	25.0		94.8	29-133		46.0	20	Non-dir.
Bis(2-chloroethoxy)methane	17.8	5.00	"	25.0		71.3	10-154		41.1	20	Non-dir.
Bis(2-chloroethyl)ether	16.4	5.00	"	25.0		65.6	17-125		46.1	20	Non-dir.
Bis(2-chloroisopropyl)ether	13.2	5.00	"	25.0		53.0	10-139		47.8	20	Non-dir.
Caprolactam	8.76	5.00	"	25.0		35.0	10-137		43.7	20	Non-dir.
Carbazole	19.7	5.00	"	25.0		78.7	42-126		42.2	20	Non-dir.
Dibenzofuran	19.2	5.00	"	25.0		76.8	36-113		46.9	20	Non-dir.
Diethyl phthalate	20.4	5.00	"	25.0		81.6	38-115		46.5	20	Non-dir.
Dimethyl phthalate	19.8	5.00	"	25.0		79.2	38-129		49.7	20	Non-dir.
Di-n-butyl phthalate	21.4	5.00	"	25.0		85.7	31-120		38.5	20	Non-dir.
Di-n-octyl phthalate	28.3	5.00	"	25.0		113	21-149		51.1	20	Non-dir.
Hexachlorocyclopentadiene	15.4	10.0	"	25.0		61.6	10-130		54.7	20	Non-dir.
Isophorone	17.9	5.00	"	25.0		71.4	25-127		39.2	20	Non-dir.
N-nitroso-di-n-propylamine	16.2	5.00	"	25.0		64.7	26-122		46.2	20	Non-dir.
N-Nitrosodiphenylamine	24.4	5.00	"	25.0		97.4	23-149		45.3	20	Non-dir.



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
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Batch BD10898 - EPA 3510C

LCS Dup (BD10898-BS1)	LCS Dup	Prepared: 04/16/2021 Analyzed: 04/19/2021									
Phenol	9.24	5.00	ug/L	25.0		37.0	10-110		47.6	20	Non-dir.
Pyridine	8.30	5.00	"	25.2		32.9	10-90		48.1	20	Non-dir.
Surrogate: SURR: 2-Fluorophenol	21.3		"	50.0		42.6	19.7-63.1				
Surrogate: SURR: Phenol-d5	14.0		"	50.0		28.0	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	21.4		"	25.0		85.8	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	18.0		"	25.0		72.0	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	46.2		"	50.0		92.5	39.3-151				
Surrogate: SURR: Terphenyl-d14	22.6		"	25.0		90.4	30.7-106				

Batch BD10940 - EPA 3546 SVOA

Blank (BD10940-BLK1)	Blank	Prepared: 04/16/2021 Analyzed: 04/19/2021									
1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2,4-Trichlorobenzene	ND	0.0416	"								
1,2-Dichlorobenzene	ND	0.0416	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
1,3-Dichlorobenzene	ND	0.0416	"								
1,4-Dichlorobenzene	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	"								



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
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Batch BD10940 - EPA 3546 SVOA

Blank (BD10940-BLK1) Blank Prepared: 04/16/2021 Analyzed: 04/19/2021

Benzo(a)anthracene	ND	0.0416	mg/kg wet								
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	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
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: SURRE: 2-Fluorophenol	1.11		"	1.66		66.6	20-108				
Surrogate: SURRE: Phenol-d5	1.04		"	1.66		62.4	23-114				
Surrogate: SURRE: Nitrobenzene-d5	0.620		"	0.831		74.6	22-108				
Surrogate: SURRE: 2-Fluorobiphenyl	0.601		"	0.831		72.3	21-113				
Surrogate: SURRE: 2,4,6-Tribromophenol	1.30		"	1.66		78.1	19-110				
Surrogate: SURRE: Terphenyl-d14	0.873		"	0.831		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 BD10940 - EPA 3546 SVOA											
LCS (BD10940-BS1)	LCS	Prepared: 04/16/2021 Analyzed: 04/19/2021									
1,1-Biphenyl	0.571	0.0416	mg/kg wet	0.831		68.8	18-111				
1,2,4,5-Tetrachlorobenzene	0.531	0.0830	"	0.831		63.9	21-131				
1,2,4-Trichlorobenzene	0.527	0.0416	"	0.831		63.4	10-140				
1,2-Dichlorobenzene	0.451	0.0416	"	0.831		54.3	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.525	0.0416	"	0.831		63.2	17-137				
1,3-Dichlorobenzene	0.438	0.0416	"	0.831		52.8	33-110				
1,4-Dichlorobenzene	0.438	0.0416	"	0.831		52.8	32-104				
2,3,4,6-Tetrachlorophenol	0.646	0.0830	"	0.831		77.7	30-130				
2,4,5-Trichlorophenol	0.599	0.0416	"	0.831		72.1	27-118				
2,4,6-Trichlorophenol	0.644	0.0416	"	0.831		77.5	31-120				
2,4-Dichlorophenol	0.598	0.0416	"	0.831		72.0	20-127				
2,4-Dimethylphenol	0.604	0.0416	"	0.831		72.8	14-132				
2,4-Dinitrophenol	0.308	0.0830	"	0.831		37.1	10-171				
2,4-Dinitrotoluene	0.665	0.0416	"	0.831		80.1	34-131				
2,6-Dinitrotoluene	0.730	0.0416	"	0.831		87.8	31-128				
2-Chloronaphthalene	0.518	0.0416	"	0.831		62.3	31-117				
2-Chlorophenol	0.512	0.0416	"	0.831		61.6	33-113				
2-Methylnaphthalene	0.633	0.0416	"	0.831		76.2	12-138				
2-Methylphenol	0.521	0.0416	"	0.831		62.8	10-136				
2-Nitroaniline	0.669	0.0830	"	0.831		80.6	27-132				
2-Nitrophenol	0.607	0.0416	"	0.831		73.1	17-129				
3- & 4-Methylphenols	0.491	0.0416	"	0.831		59.1	29-103				
3,3-Dichlorobenzidine	0.280	0.0416	"	0.831		33.8	22-149				
3-Nitroaniline	0.647	0.0830	"	0.831		77.9	20-133				
4,6-Dinitro-2-methylphenol	0.469	0.0830	"	0.831		56.5	10-143				
4-Bromophenyl phenyl ether	0.572	0.0416	"	0.831		68.8	29-120				
4-Chloro-3-methylphenol	0.624	0.0416	"	0.831		75.1	24-129				
4-Chloroaniline	0.510	0.0416	"	0.831		61.4	10-132				
4-Chlorophenyl phenyl ether	0.600	0.0416	"	0.831		72.3	27-124				
4-Nitroaniline	0.652	0.0830	"	0.831		78.6	16-128				
4-Nitrophenol	0.586	0.0830	"	0.831		70.5	10-141				
Acenaphthene	0.538	0.0416	"	0.831		64.8	30-121				
Acenaphthylene	0.540	0.0416	"	0.831		65.0	30-115				
Acetophenone	0.515	0.0416	"	0.831		62.0	20-112				
Aniline	0.396	0.166	"	0.831		47.7	10-119				
Anthracene	0.609	0.0416	"	0.831		73.3	34-118				
Atrazine	0.711	0.0416	"	0.831		85.6	26-112				
Benzaldehyde	0.562	0.0416	"	0.831		67.6	21-100				
Benzo(a)anthracene	0.671	0.0416	"	0.831		80.8	32-122				
Benzo(a)pyrene	0.701	0.0416	"	0.831		84.4	29-133				
Benzo(b)fluoranthene	0.676	0.0416	"	0.831		81.4	25-133				
Benzo(g,h,i)perylene	0.644	0.0416	"	0.831		77.5	10-143				
Benzo(k)fluoranthene	0.668	0.0416	"	0.831		80.5	25-128				
Benzoic acid	0.177	0.0416	"	0.831		21.3	10-140				
Benzyl alcohol	0.572	0.0416	"	0.831		68.9	30-115				
Benzyl butyl phthalate	0.668	0.0416	"	0.831		80.4	26-126				
Bis(2-chloroethoxy)methane	0.545	0.0416	"	0.831		65.6	19-132				
Bis(2-chloroethyl)ether	0.475	0.0416	"	0.831		57.2	19-125				
Bis(2-chloroisopropyl)ether	0.536	0.0416	"	0.831		64.5	20-135				
Bis(2-ethylhexyl)phthalate	0.702	0.0416	"	0.831		84.5	10-155				
Caprolactam	0.858	0.0830	"	0.831		103	10-127				



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
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Batch BD10940 - EPA 3546 SVOA

LCS (BD10940-BS1)	LCS	Prepared: 04/16/2021 Analyzed: 04/19/2021									
Carbazole	0.586	0.0416	mg/kg wet	0.831		70.6	35-123				
Chrysene	0.650	0.0416	"	0.831		78.3	32-123				
Dibenzo(a,h)anthracene	0.591	0.0416	"	0.831		71.2	10-136				
Dibenzofuran	0.587	0.0416	"	0.831		70.7	29-121				
Diethyl phthalate	0.611	0.0416	"	0.831		73.5	34-116				
Dimethyl phthalate	0.603	0.0416	"	0.831		72.6	35-124				
Di-n-butyl phthalate	0.619	0.0416	"	0.831		74.5	31-116				
Di-n-octyl phthalate	0.729	0.0416	"	0.831		87.8	26-136				
Fluoranthene	0.626	0.0416	"	0.831		75.4	33-122				
Fluorene	0.601	0.0416	"	0.831		72.4	29-123				
Hexachlorobenzene	0.592	0.0416	"	0.831		71.2	21-124				
Hexachlorobutadiene	0.529	0.0416	"	0.831		63.7	10-149				
Hexachlorocyclopentadiene	0.572	0.0416	"	0.831		68.9	10-129				
Hexachloroethane	0.472	0.0416	"	0.831		56.8	28-108				
Indeno(1,2,3-cd)pyrene	0.569	0.0416	"	0.831		68.6	10-135				
Isophorone	0.558	0.0416	"	0.831		67.2	20-132				
Naphthalene	0.545	0.0416	"	0.831		65.6	23-124				
Nitrobenzene	0.506	0.0416	"	0.831		61.0	13-132				
N-Nitrosodimethylamine	0.452	0.0416	"	0.831		54.4	11-129				
N-nitroso-di-n-propylamine	0.482	0.0416	"	0.831		58.1	24-119				
N-Nitrosodiphenylamine	0.634	0.0416	"	0.831		76.4	22-152				
Pentachlorophenol	0.566	0.0416	"	0.831		68.2	10-139				
Phenanthrene	0.618	0.0416	"	0.831		74.4	33-123				
Phenol	0.503	0.0416	"	0.831		60.5	23-115				
Pyrene	0.649	0.0416	"	0.831		78.2	24-130				
Pyridine	0.242	0.166	"	0.831		29.1	10-91				
Surrogate: SURR: 2-Fluorophenol	1.11		"	1.66		66.6	20-108				
Surrogate: SURR: Phenol-d5	1.06		"	1.66		63.9	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.606		"	0.831		72.9	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.586		"	0.831		70.5	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.61		"	1.66		97.0	19-110				
Surrogate: SURR: Terphenyl-d14	0.903		"	0.831		109	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 BD10940 - EPA 3546 SVOA												
Matrix Spike (BD10940-MS1)	Matrix Spike	*Source sample: 21D0657-03 (Matrix Spike)						Prepared: 04/16/2021 Analyzed: 04/19/2021				
1,1-Biphenyl	0.601	0.107	mg/kg dry	1.07	ND	56.4	10-130					
1,2,4,5-Tetrachlorobenzene	0.533	0.213	"	1.07	ND	50.0	10-133					
1,2,4-Trichlorobenzene	0.527	0.107	"	1.07	ND	49.4	10-127					
1,2-Dichlorobenzene	0.471	0.107	"	1.07	ND	44.2	14-111					
1,2-Diphenylhydrazine (as Azobenzene)	0.584	0.107	"	1.07	ND	54.8	10-144					
1,3-Dichlorobenzene	0.425	0.107	"	1.07	ND	39.9	11-111					
1,4-Dichlorobenzene	0.449	0.107	"	1.07	ND	42.2	10-106					
2,3,4,6-Tetrachlorophenol	0.854	0.213	"	1.07	ND	80.1	30-130					
2,4,5-Trichlorophenol	0.717	0.107	"	1.07	ND	67.3	10-127					
2,4,6-Trichlorophenol	0.668	0.107	"	1.07	ND	62.7	10-132					
2,4-Dichlorophenol	0.584	0.107	"	1.07	ND	54.8	10-128					
2,4-Dimethylphenol	0.618	0.107	"	1.07	ND	58.0	10-137					
2,4-Dinitrophenol	0.270	0.213	"	1.07	ND	25.4	10-171					
2,4-Dinitrotoluene	0.981	0.107	"	1.07	ND	92.1	16-135					
2,6-Dinitrotoluene	0.786	0.107	"	1.07	ND	73.8	18-131					
2-Chloronaphthalene	0.533	0.107	"	1.07	ND	50.0	10-129					
2-Chlorophenol	0.524	0.107	"	1.07	ND	49.2	15-116					
2-Methylnaphthalene	0.627	0.107	"	1.07	ND	58.8	10-147					
2-Methylphenol	0.530	0.107	"	1.07	ND	49.8	10-136					
2-Nitroaniline	0.743	0.213	"	1.07	ND	69.7	10-137					
2-Nitrophenol	0.647	0.107	"	1.07	ND	60.7	10-129					
3- & 4-Methylphenols	0.485	0.107	"	1.07	ND	45.5	10-123					
3,3-Dichlorobenzidine	ND	0.107	"	1.07	ND		10-155	Low Bias				
3-Nitroaniline	0.312	0.213	"	1.07	ND	29.3	12-133					
4,6-Dinitro-2-methylphenol	0.229	0.213	"	1.07	ND	21.5	10-155					
4-Bromophenyl phenyl ether	0.596	0.107	"	1.07	ND	55.9	14-128					
4-Chloro-3-methylphenol	0.664	0.107	"	1.07	ND	62.3	10-134					
4-Chloroaniline	0.374	0.107	"	1.07	ND	35.1	10-145					
4-Chlorophenyl phenyl ether	0.610	0.107	"	1.07	ND	57.2	14-130					
4-Nitroaniline	0.346	0.213	"	1.07	ND	32.5	10-147					
4-Nitrophenol	0.780	0.213	"	1.07	ND	73.2	10-137					
Acenaphthene	0.537	0.107	"	1.07	ND	50.4	10-146					
Acenaphthylene	0.556	0.107	"	1.07	ND	52.2	10-134					
Acetophenone	0.519	0.107	"	1.07	ND	48.7	10-116					
Aniline	0.504	0.427	"	1.07	ND	47.3	10-123					
Anthracene	0.636	0.107	"	1.07	ND	59.7	10-142					
Atrazine	0.703	0.107	"	1.07	ND	66.0	19-115					
Benzaldehyde	0.561	0.107	"	1.07	ND	52.6	10-125					
Benzo(a)anthracene	0.706	0.107	"	1.07	ND	66.2	10-158					
Benzo(a)pyrene	0.764	0.107	"	1.07	ND	71.7	10-180					
Benzo(b)fluoranthene	0.752	0.107	"	1.07	0.0659	64.4	10-200					
Benzo(g,h,i)perylene	0.619	0.107	"	1.07	ND	58.1	10-138					
Benzo(k)fluoranthene	0.724	0.107	"	1.07	ND	67.9	10-197					
Benzoic acid	0.784	0.107	"	1.07	ND	73.5	10-166					
Benzyl alcohol	0.594	0.107	"	1.07	ND	55.8	12-124					
Benzyl butyl phthalate	0.784	0.107	"	1.07	ND	73.5	10-154					
Bis(2-chloroethoxy)methane	0.491	0.107	"	1.07	ND	46.1	10-132					
Bis(2-chloroethyl)ether	0.798	0.107	"	1.07	ND	74.9	10-119					
Bis(2-chloroisopropyl)ether	0.550	0.107	"	1.07	ND	51.6	10-139					
Bis(2-ethylhexyl)phthalate	1.31	0.107	"	1.07	0.610	65.8	10-167					
Caprolactam	0.720	0.213	"	1.07	ND	67.6	10-132					



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
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Batch BD10940 - EPA 3546 SVOA

Matrix Spike (BD10940-MS1)	Matrix Spike	*Source sample: 21D0657-03 (Matrix Spike)					Prepared: 04/16/2021 Analyzed: 04/19/2021					
Carbazole	0.621	0.107	mg/kg dry	1.07	ND	58.2	10-167					
Chrysene	0.707	0.107	"	1.07	0.0599	60.7	10-156					
Dibenzo(a,h)anthracene	0.634	0.107	"	1.07	ND	59.5	10-137					
Dibenzofuran	0.575	0.107	"	1.07	ND	53.9	10-147					
Diethyl phthalate	0.580	0.107	"	1.07	ND	54.4	20-120					
Dimethyl phthalate	0.559	0.107	"	1.07	ND	52.5	18-131					
Di-n-butyl phthalate	0.691	0.107	"	1.07	ND	64.8	10-137					
Di-n-octyl phthalate	0.966	0.107	"	1.07	ND	90.6	10-180					
Fluoranthene	0.695	0.107	"	1.07	ND	65.2	10-160					
Fluorene	0.617	0.107	"	1.07	ND	57.9	10-157					
Hexachlorobenzene	0.620	0.107	"	1.07	ND	58.2	10-137					
Hexachlorobutadiene	0.547	0.107	"	1.07	ND	51.3	10-132					
Hexachlorocyclopentadiene	0.0733	0.107	"	1.07	ND	6.88	10-106	Low Bias				
Hexachloroethane	0.367	0.107	"	1.07	ND	34.4	10-110					
Indeno(1,2,3-cd)pyrene	0.668	0.107	"	1.07	ND	62.7	10-144					
Isophorone	0.532	0.107	"	1.07	ND	49.9	10-132					
Naphthalene	0.559	0.107	"	1.07	ND	52.5	10-141					
Nitrobenzene	0.532	0.107	"	1.07	ND	49.9	10-131					
N-Nitrosodimethylamine	0.398	0.107	"	1.07	ND	37.4	10-126					
N-nitroso-di-n-propylamine	0.498	0.107	"	1.07	ND	46.7	10-125					
N-Nitrosodiphenylamine	0.760	0.107	"	1.07	ND	71.3	10-177					
Pentachlorophenol	0.691	0.107	"	1.07	ND	64.9	10-153					
Phenanthrene	0.635	0.107	"	1.07	ND	59.6	10-148					
Phenol	0.475	0.107	"	1.07	ND	44.6	10-126					
Pyrene	0.682	0.107	"	1.07	ND	64.0	10-165					
Pyridine	ND	0.427	"	1.07	ND		10-83	Low Bias				
Surrogate: SURR: 2-Fluorophenol	1.08		"	2.13		50.8	20-108					
Surrogate: SURR: Phenol-d5	1.03		"	2.13		48.4	23-114					
Surrogate: SURR: Nitrobenzene-d5	0.636		"	1.07		59.7	22-108					
Surrogate: SURR: 2-Fluorobiphenyl	0.576		"	1.07		54.0	21-113					
Surrogate: SURR: 2,4,6-Tribromophenol	1.78		"	2.13		83.6	19-110					
Surrogate: SURR: Terphenyl-d14	0.816		"	1.07		76.6	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 BD10940 - EPA 3546 SVOA											
Matrix Spike Dup (BD10940-1) Matrix Spike Dup						Source sample: 21D0657-03 (Matrix Spike Dup) Prepared: 04/16/2021 Analyzed: 04/19/2021					
1,1-Biphenyl	0.638	0.107	mg/kg dry	1.07	ND	59.8	10-130		5.92	30	
1,2,4,5-Tetrachlorobenzene	0.561	0.213	"	1.07	ND	52.6	10-133		5.14	30	
1,2,4-Trichlorobenzene	0.551	0.107	"	1.07	ND	51.7	10-127		4.43	30	
1,2-Dichlorobenzene	0.474	0.107	"	1.07	ND	44.5	14-111		0.722	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.589	0.107	"	1.07	ND	55.3	10-144		0.872	30	
1,3-Dichlorobenzene	0.434	0.107	"	1.07	ND	40.7	11-111		1.98	30	
1,4-Dichlorobenzene	0.446	0.107	"	1.07	ND	41.8	10-106		0.762	30	
2,3,4,6-Tetrachlorophenol	0.863	0.213	"	1.07	ND	81.0	30-130		1.09	30	
2,4,5-Trichlorophenol	0.730	0.107	"	1.07	ND	68.5	10-127		1.77	30	
2,4,6-Trichlorophenol	0.709	0.107	"	1.07	ND	66.6	10-132		5.94	30	
2,4-Dichlorophenol	0.651	0.107	"	1.07	ND	61.0	10-128		10.8	30	
2,4-Dimethylphenol	0.646	0.107	"	1.07	ND	60.6	10-137		4.45	30	
2,4-Dinitrophenol	0.171	0.213	"	1.07	ND	16.0	10-171		45.3	30	Non-dir.
2,4-Dinitrotoluene	0.727	0.107	"	1.07	ND	68.2	16-135		29.7	30	
2,6-Dinitrotoluene	0.812	0.107	"	1.07	ND	76.2	18-131		3.20	30	
2-Chloronaphthalene	0.566	0.107	"	1.07	ND	53.1	10-129		6.05	30	
2-Chlorophenol	0.526	0.107	"	1.07	ND	49.4	15-116		0.325	30	
2-Methylnaphthalene	0.667	0.107	"	1.07	ND	62.6	10-147		6.20	30	
2-Methylphenol	0.544	0.107	"	1.07	ND	51.0	10-136		2.54	30	
2-Nitroaniline	0.770	0.213	"	1.07	ND	72.2	10-137		3.61	30	
2-Nitrophenol	0.672	0.107	"	1.07	ND	63.0	10-129		3.75	30	
3- & 4-Methylphenols	0.511	0.107	"	1.07	ND	47.9	10-123		5.14	30	
3,3-Dichlorobenzidine	ND	0.107	"	1.07	ND		10-155	Low Bias		30	
3-Nitroaniline	0.252	0.213	"	1.07	ND	23.6	12-133		21.5	30	
4,6-Dinitro-2-methylphenol	0.170	0.213	"	1.07	ND	15.9	10-155		29.9	30	
4-Bromophenyl phenyl ether	0.591	0.107	"	1.07	ND	55.4	14-128		0.862	30	
4-Chloro-3-methylphenol	0.707	0.107	"	1.07	ND	66.3	10-134		6.22	30	
4-Chloroaniline	0.298	0.107	"	1.07	ND	27.9	10-145		22.8	30	
4-Chlorophenyl phenyl ether	0.600	0.107	"	1.07	ND	56.3	14-130		1.55	30	
4-Nitroaniline	0.392	0.213	"	1.07	ND	36.8	10-147		12.5	30	
4-Nitrophenol	0.801	0.213	"	1.07	ND	75.2	10-137		2.70	30	
Acenaphthene	0.587	0.107	"	1.07	ND	55.1	10-146		8.95	30	
Acenaphthylene	0.577	0.107	"	1.07	ND	54.2	10-134		3.76	30	
Acetophenone	0.526	0.107	"	1.07	ND	49.4	10-116		1.31	30	
Aniline	0.454	0.427	"	1.07	ND	42.6	10-123		10.5	30	
Anthracene	0.676	0.107	"	1.07	ND	63.4	10-142		6.11	30	
Atrazine	0.727	0.107	"	1.07	ND	68.2	19-115		3.34	30	
Benzaldehyde	0.618	0.107	"	1.07	ND	58.0	10-125		9.69	30	
Benzo(a)anthracene	0.727	0.107	"	1.07	ND	68.2	10-158		2.97	30	
Benzo(a)pyrene	0.745	0.107	"	1.07	ND	69.9	10-180		2.49	30	
Benzo(b)fluoranthene	0.774	0.107	"	1.07	0.0659	66.5	10-200		2.91	30	
Benzo(g,h,i)perylene	0.623	0.107	"	1.07	ND	58.5	10-138		0.686	30	
Benzo(k)fluoranthene	0.732	0.107	"	1.07	ND	68.7	10-197		1.17	30	
Benzoic acid	0.895	0.107	"	1.07	ND	84.0	10-166		13.3	30	
Benzyl alcohol	0.589	0.107	"	1.07	ND	55.3	12-124		0.865	30	
Benzyl butyl phthalate	0.802	0.107	"	1.07	ND	75.3	10-154		2.37	30	
Bis(2-chloroethoxy)methane	0.512	0.107	"	1.07	ND	48.0	10-132		4.08	30	
Bis(2-chloroethyl)ether	0.715	0.107	"	1.07	ND	67.1	10-119		10.9	30	
Bis(2-chloroisopropyl)ether	0.550	0.107	"	1.07	ND	51.6	10-139		0.00	30	
Bis(2-ethylhexyl)phthalate	1.40	0.107	"	1.07	0.610	74.3	10-167		6.66	30	
Caprolactam	0.793	0.213	"	1.07	ND	74.4	10-132		9.58	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
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Batch BD10940 - EPA 3546 SVOA

Matrix Spike Dup (BD10940-1) Matrix Spike Dup Source sample: 21D0657-03 (Matrix Spike Dup) Prepared: 04/16/2021 Analyzed: 04/19/2021

Carbazole	0.663	0.107	mg/kg dry	1.07	ND	62.2	10-167		6.51	30	
Chrysene	0.745	0.107	"	1.07	0.0599	64.3	10-156		5.28	30	
Dibenzo(a,h)anthracene	0.654	0.107	"	1.07	ND	61.4	10-137		3.04	30	
Dibenzofuran	0.645	0.107	"	1.07	ND	60.6	10-147		11.6	30	
Diethyl phthalate	0.607	0.107	"	1.07	ND	57.0	20-120		4.60	30	
Dimethyl phthalate	0.582	0.107	"	1.07	ND	54.6	18-131		3.89	30	
Di-n-butyl phthalate	0.705	0.107	"	1.07	ND	66.2	10-137		2.08	30	
Di-n-octyl phthalate	0.952	0.107	"	1.07	ND	89.4	10-180		1.42	30	
Fluoranthene	0.740	0.107	"	1.07	ND	69.4	10-160		6.30	30	
Fluorene	0.663	0.107	"	1.07	ND	62.2	10-157		7.06	30	
Hexachlorobenzene	0.617	0.107	"	1.07	ND	57.9	10-137		0.413	30	
Hexachlorobutadiene	0.538	0.107	"	1.07	ND	50.5	10-132		1.57	30	
Hexachlorocyclopentadiene	ND	0.107	"	1.07	ND		10-106	Low Bias		30	
Hexachloroethane	0.361	0.107	"	1.07	ND	33.8	10-110		1.64	30	
Indeno(1,2,3-cd)pyrene	0.714	0.107	"	1.07	ND	67.0	10-144		6.54	30	
Isophorone	0.546	0.107	"	1.07	ND	51.2	10-132		2.53	30	
Naphthalene	0.580	0.107	"	1.07	ND	54.4	10-141		3.59	30	
Nitrobenzene	0.652	0.107	"	1.07	ND	61.2	10-131		20.3	30	
N-Nitrosodimethylamine	0.402	0.107	"	1.07	ND	37.8	10-126		1.06	30	
N-nitroso-di-n-propylamine	0.506	0.107	"	1.07	ND	47.4	10-125		1.53	30	
N-Nitrosodiphenylamine	0.736	0.107	"	1.07	ND	69.0	10-177		3.19	30	
Pentachlorophenol	0.706	0.107	"	1.07	ND	66.2	10-153		2.07	30	
Phenanthrene	0.668	0.107	"	1.07	ND	62.7	10-148		5.10	30	
Phenol	0.514	0.107	"	1.07	ND	48.2	10-126		7.93	30	
Pyrene	0.708	0.107	"	1.07	ND	66.4	10-165		3.68	30	
Pyridine	0.265	0.427	"	1.07	ND	24.9	10-83			30	
Surrogate: SURR: 2-Fluorophenol	1.10		"	2.13		51.6	20-108				
Surrogate: SURR: Phenol-d5	1.04		"	2.13		48.9	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.657		"	1.07		61.7	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.608		"	1.07		57.0	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.90		"	2.13		89.2	19-110				
Surrogate: SURR: Terphenyl-d14	0.828		"	1.07		77.7	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 BD10900 - EPA 3550C												
Blank (BD10900-BLK1)	Blank								Prepared & Analyzed: 04/16/2021			
1,4-Dioxane	ND	9.90	ug/kg									
<i>Surrogate: 1,4-Dioxane-d8</i>	277		"	495		56.0	39-127.5					
LCS (BD10900-BS1)	LCS								Prepared & Analyzed: 04/16/2021			
1,4-Dioxane	535	9.90	ug/kg	495		108	40-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	248		"	495		50.0	39-127.5					
Matrix Spike (BD10900-MS1)	Matrix Spike	*Source sample: 21D0652-01 (081_LSB-26C)								Prepared & Analyzed: 04/16/2021		
1,4-Dioxane	549	9.90	ug/kg	495	ND	111	40-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	277		"	495		56.0	40-130					
Matrix Spike Dup (BD10900-MS1)	Matrix Spike Dup	*Source sample: 21D0652-01 (081_LSB-26C)								Prepared & Analyzed: 04/16/2021		
1,4-Dioxane	552	9.90	ug/kg	495	ND	112	40-130		0.719	30		
<i>Surrogate: 1,4-Dioxane-d8</i>	257		"	495		52.0	40-130					
Batch BD10959 - EPA 3535A												
Blank (BD10959-BLK1)	Blank								Prepared & Analyzed: 04/19/2021			
1,4-Dioxane	ND	0.300	ug/L									
<i>Surrogate: 1,4-Dioxane-d8</i>	2.88		"	4.00		72.0	36.6-118					
LCS (BD10959-BS1)	LCS								Prepared & Analyzed: 04/19/2021			
1,4-Dioxane	4.50	0.300	ug/L	4.00		112	50-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	2.56		"	4.00		64.0	36.6-118					
Matrix Spike (BD10959-MS1)	Matrix Spike	*Source sample: 21D0604-15 (Matrix Spike)								Prepared & Analyzed: 04/19/2021		
1,4-Dioxane	4.21	0.300	ug/L	4.00	ND	105	50-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	3.20		"	4.00		80.0	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 BD10959 - EPA 3535A											
Matrix Spike Dup (BD10959-1) Matrix Spike Dup						Source sample: 21D0604-15 (Matrix Spike Dup)					
						Prepared & Analyzed: 04/19/2021					
1,4-Dioxane	4.67	0.300	ug/L	4.00	ND	117	50-130		10.5	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
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Batch BD11056 - SPE PFAS Extraction-Soil-EPA 537m

Blank (BD11056-BLK1) Blank

Prepared: 04/20/2021 Analyzed: 04/21/2021

Perfluorobutanesulfonic acid (PFBS)	ND	0.456	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.456	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.456	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.456	"								
Perfluorooctanoic acid (PFOA)	ND	0.456	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.456	"								
Perfluorononanoic acid (PFNA)	ND	0.456	"								
Perfluorodecanoic acid (PFDA)	ND	0.456	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.456	"								
Perfluorododecanoic acid (PFDoA)	ND	0.456	"								
Perfluorotridecanoic acid (PFTriDA)	ND	0.456	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.456	"								
N-MeFOSAA	ND	0.456	"								
N-EtFOSAA	ND	0.456	"								
Perfluoropentanoic acid (PFPeA)	ND	0.456	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.456	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.456	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.456	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	0.456	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	0.456	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.456	"								
Surrogate: M3PFBS	4.25		"	4.23		100	25-150				
Surrogate: M5PFHxA	4.83		"	4.56		106	25-150				
Surrogate: M4PFHpA	4.30		"	4.56		94.4	25-150				
Surrogate: M3PFHxS	4.33		"	4.31		101	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	4.71		"	4.56		103	25-150				
Surrogate: M6PFDA	4.42		"	4.56		97.1	25-150				
Surrogate: M7PFUdA	3.80		"	4.56		83.4	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.31		"	4.56		72.6	25-150				
Surrogate: M2PFTeDA	3.20		"	4.56		70.2	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	5.19		"	4.56		114	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	4.35		"	4.36		99.7	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.96		"	4.56		109	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.04		"	4.56		66.7	10-150				
Surrogate: d3-N-MeFOSAA	3.89		"	4.56		85.3	25-150				
Surrogate: d5-N-EtFOSAA	5.68		"	4.56		125	25-150				
Surrogate: M2-6:2 FTS	3.60		"	4.32		83.2	25-150				
Surrogate: M2-8:2 FTS	3.77		"	4.37		86.4	25-150				
Surrogate: M9PFNA	4.46		"	4.56		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
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Batch BD11056 - SPE PFAS Extraction-Soil-EPA 537m

LCS (BD11056-BS1)	LCS	Prepared: 04/20/2021 Analyzed: 04/21/2021									
Perfluorobutanesulfonic acid (PFBS)	3.87	0.482	ug/kg wet	4.26		90.9	50-130				
Perfluorohexanoic acid (PFHxA)	4.24	0.482	"	4.82		87.9	50-130				
Perfluoroheptanoic acid (PFHpA)	5.01	0.482	"	4.82		104	50-130				
Perfluorohexanesulfonic acid (PFHxS)	4.21	0.482	"	4.39		95.9	50-130				
Perfluorooctanoic acid (PFOA)	4.53	0.482	"	4.82		94.0	50-130				
Perfluorooctanesulfonic acid (PFOS)	4.06	0.482	"	4.46		91.1	50-130				
Perfluorononanoic acid (PFNA)	3.90	0.482	"	4.82		81.1	50-130				
Perfluorodecanoic acid (PFDA)	4.19	0.482	"	4.82		87.0	50-130				
Perfluoroundecanoic acid (PFUnA)	4.20	0.482	"	4.82		87.2	50-130				
Perfluorododecanoic acid (PFDoA)	4.29	0.482	"	4.82		89.0	50-130				
Perfluorotridecanoic acid (PFTrDA)	4.35	0.482	"	4.82		90.4	50-130				
Perfluorotetradecanoic acid (PFTA)	4.45	0.482	"	4.82		92.3	50-130				
N-MeFOSAA	4.48	0.482	"	4.82		93.0	50-130				
N-EtFOSAA	4.32	0.482	"	4.82		89.8	50-130				
Perfluoropentanoic acid (PFPeA)	4.54	0.482	"	4.82		94.4	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.48	0.482	"	4.82		93.1	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.01	0.482	"	4.58		110	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	2.81	0.482	"	4.65		60.4	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	4.44	0.482	"	4.58		97.0	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	4.08	0.482	"	4.62		88.2	50-130				
Perfluoro-n-butanoic acid (PFBA)	4.32	0.482	"	4.82		89.7	50-130				
Surrogate: M3PFBS	4.62		"	4.47		103	25-150				
Surrogate: M5PFHxA	5.18		"	4.82		108	25-150				
Surrogate: M4PFHpA	4.57		"	4.82		94.9	25-150				
Surrogate: M3PFHxS	4.48		"	4.56		98.4	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	5.15		"	4.82		107	25-150				
Surrogate: M6PFDA	4.44		"	4.82		92.2	25-150				
Surrogate: M7PFUdA	3.97		"	4.82		82.3	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.25		"	4.82		67.4	25-150				
Surrogate: M2PFTeDA	2.99		"	4.82		62.2	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	5.64		"	4.82		117	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	4.06		"	4.61		88.1	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.38		"	4.82		112	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.90		"	4.82		60.3	10-150				
Surrogate: d3-N-MeFOSAA	3.39		"	4.82		70.3	25-150				
Surrogate: d5-N-EtFOSAA	5.37		"	4.82		112	25-150				
Surrogate: M2-6:2 FTS	4.13		"	4.57		90.4	25-150				
Surrogate: M2-8:2 FTS	4.14		"	4.61		89.8	25-150				
Surrogate: M9PFNA	4.96		"	4.82		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
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Batch BD11056 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike (BD11056-MS1)	Matrix Spike	*Source sample: 21D0750-01 (Matrix Spike)				Prepared: 04/20/2021 Analyzed: 04/21/2021					
Perfluorobutanesulfonic acid (PFBS)	4.39	0.538	ug/kg dry	4.77	ND	92.0	25-150				
Perfluorohexanoic acid (PFHxA)	5.01	0.538	"	5.38	ND	93.0	25-150				
Perfluoroheptanoic acid (PFHpA)	6.18	0.538	"	5.38	ND	115	25-150				
Perfluorohexanesulfonic acid (PFHxS)	4.40	0.538	"	4.91	ND	89.5	25-150				
Perfluorooctanoic acid (PFOA)	5.74	0.538	"	5.38	ND	107	25-150				
Perfluorooctanesulfonic acid (PFOS)	4.70	0.538	"	4.99	1.61	62.0	25-150				
Perfluorononanoic acid (PFNA)	4.68	0.538	"	5.38	ND	86.9	25-150				
Perfluorodecanoic acid (PFDA)	5.21	0.538	"	5.38	ND	96.7	25-150				
Perfluoroundecanoic acid (PFUnA)	4.58	0.538	"	5.38	ND	85.1	25-150				
Perfluorododecanoic acid (PFDoA)	4.91	0.538	"	5.38	ND	91.2	25-150				
Perfluorotridecanoic acid (PFTrDA)	4.74	0.538	"	5.38	ND	88.1	25-150				
Perfluorotetradecanoic acid (PFTA)	4.95	0.538	"	5.38	ND	91.8	25-150				
N-MeFOSAA	5.33	0.538	"	5.38	ND	99.0	25-150				
N-EtFOSAA	5.08	0.538	"	5.38	ND	94.4	25-150				
Perfluoropentanoic acid (PFPeA)	5.18	0.538	"	5.38	ND	96.1	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	4.83	0.538	"	5.38	ND	89.6	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.45	0.538	"	5.12	ND	107	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	3.07	0.538	"	5.20	ND	59.1	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	4.72	0.538	"	5.12	ND	92.3	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	5.14	0.538	"	5.17	ND	99.4	25-150				
Perfluoro-n-butanoic acid (PFBA)	5.06	0.538	"	5.38	ND	94.0	25-150				
Surrogate: M3PFBS	4.33		"	5.00		86.5	25-150				
Surrogate: M5PFHxA	5.08		"	5.38		94.3	25-150				
Surrogate: M4PFHpA	4.21		"	5.38		78.2	25-150				
Surrogate: M3PFHxS	4.71		"	5.09		92.4	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	5.45		"	5.38		101	25-150				
Surrogate: M6PFDA	4.80		"	5.38		89.1	25-150				
Surrogate: M7PFUdA	4.40		"	5.38		81.7	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.22		"	5.38		59.7	25-150				
Surrogate: M2PFTeDA	2.99		"	5.38		55.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	5.46		"	5.38		101	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	4.41		"	5.15		85.5	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.15		"	5.38		95.7	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.11		"	5.38		57.7	10-150				
Surrogate: d3-N-MeFOSAA	5.79		"	5.38		108	25-150				
Surrogate: d5-N-EtFOSAA	6.51		"	5.38		121	25-150				
Surrogate: M2-6:2 FTS	8.50		"	5.11		166	25-150				
Surrogate: M2-8:2 FTS	9.79		"	5.16		190	25-150				
Surrogate: M9PFNA	5.26		"	5.38		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 BD11056 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike Dup (BD11056-1) Matrix Spike Dup						Source sample: 21D0750-01 (Matrix Spike Dup)					
						Prepared: 04/20/2021 Analyzed: 04/21/2021					
Perfluorobutanesulfonic acid (PFBS)	4.55	0.559	ug/kg dry	4.95	ND	91.9	25-150		3.71	35	
Perfluorohexanoic acid (PFHxA)	5.30	0.559	"	5.59	ND	94.8	25-150		5.73	35	
Perfluoroheptanoic acid (PFHpA)	6.51	0.559	"	5.59	ND	116	25-150		5.16	35	
Perfluorohexanesulfonic acid (PFHxS)	5.01	0.559	"	5.10	ND	98.3	25-150		13.1	35	
Perfluorooctanoic acid (PFOA)	6.20	0.559	"	5.59	ND	111	25-150		7.71	35	
Perfluorooctanesulfonic acid (PFOS)	5.40	0.559	"	5.18	1.61	73.2	25-150		13.9	35	
Perfluorononanoic acid (PFNA)	5.19	0.559	"	5.59	ND	92.8	25-150		10.4	35	
Perfluorodecanoic acid (PFDA)	5.24	0.559	"	5.59	ND	93.7	25-150		0.637	35	
Perfluoroundecanoic acid (PFUnA)	4.86	0.559	"	5.59	ND	86.9	25-150		5.88	35	
Perfluorododecanoic acid (PFDoA)	5.00	0.559	"	5.59	ND	89.4	25-150		1.81	35	
Perfluorotridecanoic acid (PFTriDA)	4.82	0.559	"	5.59	ND	86.2	25-150		1.73	35	
Perfluorotetradecanoic acid (PFTA)	5.18	0.559	"	5.59	ND	92.5	25-150		4.56	35	
N-MeFOSAA	5.44	0.559	"	5.59	ND	97.3	25-150		2.04	35	
N-EtFOSAA	5.16	0.559	"	5.59	ND	92.2	25-150		1.51	35	
Perfluoropentanoic acid (PFPeA)	5.33	0.559	"	5.59	ND	95.2	25-150		2.87	35	
Perfluoro-1-octanesulfonamide (FOSA)	4.99	0.559	"	5.59	ND	89.2	25-150		3.26	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.11	0.559	"	5.31	ND	115	25-150		11.4	35	
Perfluoro-1-decanesulfonic acid (PFDS)	3.54	0.559	"	5.40	ND	65.5	25-150		14.2	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	5.18	0.559	"	5.31	ND	97.5	25-150		9.20	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	5.11	0.559	"	5.37	ND	95.2	25-150		0.482	35	
Perfluoro-n-butanoic acid (PFBA)	5.38	0.559	"	5.59	ND	96.2	25-150		6.06	35	
Surrogate: M3PFBS	4.80		"	5.20		92.3	25-150				
Surrogate: M5PFHxA	5.39		"	5.59		96.4	25-150				
Surrogate: M4PFHpA	4.35		"	5.59		77.8	25-150				
Surrogate: M3PFHxS	4.80		"	5.29		90.8	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	5.76		"	5.59		103	25-150				
Surrogate: M6PFDA	4.94		"	5.59		88.3	25-150				
Surrogate: M7PFUdA	4.28		"	5.59		76.4	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.47		"	5.59		62.1	25-150				
Surrogate: M2PFTeDA	3.13		"	5.59		55.9	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	5.76		"	5.59		103	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	4.37		"	5.35		81.6	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.60		"	5.59		100	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.30		"	5.59		59.1	10-150				
Surrogate: d3-N-MeFOSAA	6.22		"	5.59		111	25-150				
Surrogate: d5-N-EtFOSAA	6.61		"	5.59		118	25-150				
Surrogate: M2-6:2 FTS	10.4		"	5.31		196	25-150				
Surrogate: M2-8:2 FTS	13.0		"	5.36		242	25-150				
Surrogate: M9PFNA	5.15		"	5.59		92.1	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
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Batch BD11144 - SPE Ext-PFAS-EPA 537.1M

Blank (BD11144-BLK1)	Blank	Prepared: 04/21/2021 Analyzed: 04/22/2021									
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	64.0		"	74.3		86.1	25-150				
Surrogate: M5PFHxA	88.6		"	80.0		111	25-150				
Surrogate: M4PFHpA	69.2		"	80.0		86.5	25-150				
Surrogate: M3PFHxS	67.3		"	75.7		88.9	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	81.9		"	80.0		102	25-150				
Surrogate: M6PFDA	79.3		"	80.0		99.1	25-150				
Surrogate: M7PFUdA	81.9		"	80.0		102	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	53.8		"	80.0		67.2	25-150				
Surrogate: M2PFTeDA	25.3		"	80.0		31.6	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	99.3		"	80.0		124	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	82.1		"	76.6		107	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	78.7		"	80.0		98.4	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	40.6		"	80.0		50.8	10-150				
Surrogate: d3-N-MeFOSAA	68.8		"	80.0		86.0	25-150				
Surrogate: d5-N-EtFOSAA	66.1		"	80.0		82.6	25-150				
Surrogate: M2-6:2 FTS	75.2		"	75.9		99.1	25-150				
Surrogate: M2-8:2 FTS	61.8		"	76.6		80.6	25-150				
Surrogate: M9PFNA	78.9		"	80.0		98.6	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
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Batch BD11144 - SPE Ext-PFAS-EPA 537.1M

LCS (BD11144-BS1)	LCS	Prepared: 04/21/2021 Analyzed: 04/22/2021									
Perfluorobutanesulfonic acid (PFBS)	87.0	2.00	ng/L	70.8		123	50-130				
Perfluorohexanoic acid (PFHxA)	80.9	2.00	"	80.0		101	50-130				
Perfluoroheptanoic acid (PFHpA)	102	2.00	"	80.0		128	50-130				
Perfluorohexanesulfonic acid (PFHxS)	84.4	2.00	"	73.0		116	50-130				
Perfluorooctanoic acid (PFOA)	84.6	2.00	"	80.0		106	50-130				
Perfluorooctanesulfonic acid (PFOS)	52.0	2.00	"	74.1		70.2	50-130				
Perfluorononanoic acid (PFNA)	86.2	2.00	"	80.0		108	50-130				
Perfluorodecanoic acid (PFDA)	93.4	2.00	"	80.0		117	50-130				
Perfluoroundecanoic acid (PFUnA)	69.6	2.00	"	80.0		87.0	50-130				
Perfluorododecanoic acid (PFDoA)	88.6	2.00	"	80.0		111	50-130				
Perfluorotridecanoic acid (PFTrDA)	70.8	2.00	"	80.0		88.5	50-130				
Perfluorotetradecanoic acid (PFTA)	75.7	2.00	"	80.0		94.7	50-130				
N-MeFOSAA	81.4	2.00	"	80.0		102	50-130				
N-EtFOSAA	81.9	2.00	"	80.0		102	50-130				
Perfluoropentanoic acid (PFPeA)	90.1	2.00	"	80.0		113	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	84.6	2.00	"	80.0		106	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	82.2	2.00	"	76.0		108	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	61.4	2.00	"	77.2		79.5	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	80.0	5.00	"	76.0		105	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	94.4	2.00	"	76.8		123	50-130				
Perfluoro-n-butanoic acid (PFBA)	69.9	2.00	"	80.0		87.3	50-130				
Surrogate: M3PFBS	68.4		"	74.3		92.0	25-150				
Surrogate: M5PFHxA	96.9		"	80.0		121	25-150				
Surrogate: M4PFHpA	73.8		"	80.0		92.3	25-150				
Surrogate: M3PFHxS	71.6		"	75.7		94.6	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	89.1		"	80.0		111	25-150				
Surrogate: M6PFDA	69.8		"	80.0		87.3	25-150				
Surrogate: M7PFUdA	88.9		"	80.0		111	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	62.0		"	80.0		77.4	25-150				
Surrogate: M2PFTeDA	41.5		"	80.0		51.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	108		"	80.0		134	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	83.1		"	76.6		109	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	86.7		"	80.0		108	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	36.6		"	80.0		45.8	10-150				
Surrogate: d3-N-MeFOSAA	73.1		"	80.0		91.3	25-150				
Surrogate: d5-N-EtFOSAA	64.6		"	80.0		80.7	25-150				
Surrogate: M2-6:2 FTS	81.0		"	75.9		107	25-150				
Surrogate: M2-8:2 FTS	70.1		"	76.6		91.5	25-150				
Surrogate: M9PFNA	83.5		"	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
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Batch BD11144 - SPE Ext-PFAS-EPA 537.1M

LCS Dup (BD11144-BS1)	LCS Dup	Prepared: 04/21/2021 Analyzed: 04/22/2021									
Perfluorobutanesulfonic acid (PFBS)	83.6	2.00	ng/L	70.8		118	50-130		3.99	30	
Perfluorohexanoic acid (PFHxA)	74.9	2.00	"	80.0		93.6	50-130		7.71	30	
Perfluoroheptanoic acid (PFHpA)	94.8	2.00	"	80.0		118	50-130		7.42	30	
Perfluorohexanesulfonic acid (PFHxS)	84.8	2.00	"	73.0		116	50-130		0.434	30	
Perfluorooctanoic acid (PFOA)	81.0	2.00	"	80.0		101	50-130		4.31	30	
Perfluorooctanesulfonic acid (PFOS)	40.4	2.00	"	74.1		54.6	50-130		25.0	30	
Perfluorononanoic acid (PFNA)	85.6	2.00	"	80.0		107	50-130		0.691	30	
Perfluorodecanoic acid (PFDA)	77.0	2.00	"	80.0		96.3	50-130		19.2	30	
Perfluoroundecanoic acid (PFUnA)	67.0	2.00	"	80.0		83.7	50-130		3.83	30	
Perfluorododecanoic acid (PFDoA)	86.0	2.00	"	80.0		107	50-130		2.95	30	
Perfluorotridecanoic acid (PFTriDA)	60.2	2.00	"	80.0		75.3	50-130		16.2	30	
Perfluorotetradecanoic acid (PFTA)	72.9	2.00	"	80.0		91.1	50-130		3.87	30	
N-MeFOSAA	73.9	2.00	"	80.0		92.4	50-130		9.66	30	
N-EtFOSAA	86.1	2.00	"	80.0		108	50-130		4.99	30	
Perfluoropentanoic acid (PFPeA)	87.1	2.00	"	80.0		109	50-130		3.38	30	
Perfluoro-1-octanesulfonamide (FOSA)	76.9	2.00	"	80.0		96.1	50-130		9.59	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	81.9	2.00	"	76.0		108	50-130		0.374	30	
Perfluoro-1-decanesulfonic acid (PFDS)	55.5	2.00	"	77.2		71.9	50-130		10.0	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	72.3	5.00	"	76.0		95.1	50-130		10.2	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	83.5	2.00	"	76.8		109	50-130		12.3	30	
Perfluoro-n-butanoic acid (PFBA)	66.8	2.00	"	80.0		83.5	50-130		4.53	30	
Surrogate: M3PFBS	66.8		"	74.3		89.9	25-150				
Surrogate: M5PFHxA	95.9		"	80.0		120	25-150				
Surrogate: M4PFHpA	72.2		"	80.0		90.3	25-150				
Surrogate: M3PFHxS	67.8		"	75.7		89.5	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	88.6		"	80.0		111	25-150				
Surrogate: M6PFDA	83.3		"	80.0		104	25-150				
Surrogate: M7PFUdA	83.5		"	80.0		104	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	53.8		"	80.0		67.2	25-150				
Surrogate: M2PFTeDA	27.2		"	80.0		34.0	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	107		"	80.0		133	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	77.6		"	76.6		101	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	85.3		"	80.0		107	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	34.0		"	80.0		42.5	10-150				
Surrogate: d3-N-MeFOSAA	71.5		"	80.0		89.4	25-150				
Surrogate: d5-N-EtFOSAA	59.0		"	80.0		73.8	25-150				
Surrogate: M2-6:2 FTS	82.5		"	75.9		109	25-150				
Surrogate: M2-8:2 FTS	65.9		"	76.6		85.9	25-150				
Surrogate: M9PFNA	76.4		"	80.0		95.5	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
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Batch BD10856 - EPA 3550C

Blank (BD10856-BLK1)	Blank	Prepared: 04/15/2021 Analyzed: 04/19/2021									
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	"								

Surrogate: Decachlorobiphenyl	0.0572		"	0.0664		86.0	30-150				
Surrogate: Tetrachloro-m-xylene	0.0636		"	0.0664		95.8	30-150				

LCS (BD10856-BS1)	LCS	Prepared: 04/15/2021 Analyzed: 04/19/2021									
4,4'-DDD	0.0354	0.00164	mg/kg wet	0.0332		106	40-140				
4,4'-DDE	0.0309	0.00164	"	0.0332		93.1	40-140				
4,4'-DDT	0.0188	0.00164	"	0.0332		56.5	40-140				
Aldrin	0.0334	0.00164	"	0.0332		100	40-140				
alpha-BHC	0.0319	0.00164	"	0.0332		96.0	40-140				
alpha-Chlordane	0.0324	0.00164	"	0.0332		97.5	40-140				
beta-BHC	0.0315	0.00164	"	0.0332		94.7	40-140				
delta-BHC	0.0312	0.00164	"	0.0332		93.8	40-140				
Dieldrin	0.0331	0.00164	"	0.0332		99.7	40-140				
Endosulfan I	0.0344	0.00164	"	0.0332		103	40-140				
Endosulfan II	0.0327	0.00164	"	0.0332		98.4	40-140				
Endosulfan sulfate	0.0257	0.00164	"	0.0332		77.3	40-140				
Endrin	0.0297	0.00164	"	0.0332		89.3	40-140				
Endrin aldehyde	0.0281	0.00164	"	0.0332		84.6	40-140				
Endrin ketone	0.0301	0.00164	"	0.0332		90.7	40-140				
gamma-BHC (Lindane)	0.0316	0.00164	"	0.0332		95.1	40-140				
gamma-Chlordane	0.0317	0.00164	"	0.0332		95.3	40-140				
Heptachlor	0.0354	0.00164	"	0.0332		107	40-140				
Heptachlor epoxide	0.0328	0.00164	"	0.0332		98.7	40-140				
Methoxychlor	0.0172	0.00164	"	0.0332		51.6	40-140				

Surrogate: Decachlorobiphenyl	0.0591		"	0.0664		89.0	30-150				
Surrogate: Tetrachloro-m-xylene	0.0668		"	0.0664		101	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
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Batch BD10856 - EPA 3550C

Matrix Spike (BD10856-MS1)	Matrix Spike	*Source sample: 21D0604-04 (Matrix Spike)						Prepared: 04/15/2021 Analyzed: 04/19/2021			
4,4'-DDD	0.0268	0.00184	mg/kg dry	0.0373	ND	71.8	30-150				
4,4'-DDE	0.0238	0.00184	"	0.0373	ND	63.8	30-150				
4,4'-DDT	0.0196	0.00184	"	0.0373	0.00660	35.0	30-150				
Aldrin	0.0221	0.00184	"	0.0373	ND	59.2	30-150				
alpha-BHC	0.0288	0.00184	"	0.0373	ND	77.3	30-150				
alpha-Chlordane	0.0356	0.00184	"	0.0373	0.0250	28.4	30-150	Low Bias			
beta-BHC	0.0306	0.00184	"	0.0373	ND	82.0	30-150				
delta-BHC	0.0259	0.00184	"	0.0373	ND	69.5	30-150				
Dieldrin	0.0306	0.00184	"	0.0373	ND	82.0	30-150				
Endosulfan I	0.0285	0.00184	"	0.0373	ND	76.6	30-150				
Endosulfan II	0.0280	0.00184	"	0.0373	ND	75.2	30-150				
Endosulfan sulfate	0.0407	0.00184	"	0.0373	ND	109	30-150				
Endrin	0.0271	0.00184	"	0.0373	ND	72.8	30-150				
Endrin aldehyde	0.0252	0.00184	"	0.0373	ND	67.5	30-150				
Endrin ketone	0.0303	0.00184	"	0.0373	ND	81.2	30-150				
gamma-BHC (Lindane)	0.0290	0.00184	"	0.0373	ND	77.8	30-150				
gamma-Chlordane	0.0317	0.00184	"	0.0373	0.0198	31.9	30-150				
Heptachlor	0.0295	0.00184	"	0.0373	ND	79.1	30-150				
Heptachlor epoxide	0.0310	0.00184	"	0.0373	ND	83.1	30-150				
Methoxychlor	0.0205	0.00184	"	0.0373	ND	55.0	30-150				
Surrogate: Decachlorobiphenyl	0.0399		"	0.0745		53.5	30-150				
Surrogate: Tetrachloro-m-xylene	0.0352		"	0.0745		47.2	30-150				

Matrix Spike Dup (BD10856-1)	Matrix Spike Dup	*Source sample: 21D0604-04 (Matrix Spike Dup)						Prepared: 04/15/2021 Analyzed: 04/19/2021			
4,4'-DDD	0.0273	0.00184	mg/kg dry	0.0373	ND	73.2	30-150	1.83	30		
4,4'-DDE	0.0244	0.00184	"	0.0373	ND	65.5	30-150	2.69	30		
4,4'-DDT	0.0189	0.00184	"	0.0373	0.00660	33.0	30-150	3.77	30		
Aldrin	0.0229	0.00184	"	0.0373	ND	61.5	30-150	3.78	30		
alpha-BHC	0.0296	0.00184	"	0.0373	ND	79.4	30-150	2.73	30		
alpha-Chlordane	0.0362	0.00184	"	0.0373	0.0250	30.2	30-150	1.86	30		
beta-BHC	0.0304	0.00184	"	0.0373	ND	81.7	30-150	0.379	30		
delta-BHC	0.0259	0.00184	"	0.0373	ND	69.5	30-150	0.0576	30		
Dieldrin	0.0310	0.00184	"	0.0373	ND	83.2	30-150	1.38	30		
Endosulfan I	0.0292	0.00184	"	0.0373	ND	78.5	30-150	2.46	30		
Endosulfan II	0.0287	0.00184	"	0.0373	ND	77.0	30-150	2.44	30		
Endosulfan sulfate	0.0319	0.00184	"	0.0373	ND	85.7	30-150	24.1	30		
Endrin	0.0275	0.00184	"	0.0373	ND	73.7	30-150	1.29	30		
Endrin aldehyde	0.0252	0.00184	"	0.0373	ND	67.6	30-150	0.170	30		
Endrin ketone	0.0307	0.00184	"	0.0373	ND	82.4	30-150	1.42	30		
gamma-BHC (Lindane)	0.0295	0.00184	"	0.0373	ND	79.2	30-150	1.85	30		
gamma-Chlordane	0.0315	0.00184	"	0.0373	0.0198	31.2	30-150	0.749	30		
Heptachlor	0.0300	0.00184	"	0.0373	ND	80.6	30-150	1.87	30		
Heptachlor epoxide	0.0252	0.00184	"	0.0373	ND	67.7	30-150	20.5	30		
Methoxychlor	0.0219	0.00184	"	0.0373	ND	58.8	30-150	6.71	30		
Surrogate: Decachlorobiphenyl	0.0593		"	0.0745		79.6	30-150				
Surrogate: Tetrachloro-m-xylene	0.0359		"	0.0745		48.2	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
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Batch BD10999 - EPA SW846-3510C Low Level

Blank (BD10999-BLK1)	Blank	Prepared: 04/19/2021 Analyzed: 04/20/2021									
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 (alpha, gamma)	ND	0.0100	"								
<i>Surrogate: Decachlorobiphenyl</i>	0.103		"	0.200		51.3	30-150				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.115		"	0.200		57.5	30-150				

LCS (BD10999-BS1)	LCS	Prepared: 04/19/2021 Analyzed: 04/20/2021									
4,4'-DDD	0.0987	0.00400	ug/L	0.100		98.7	40-140				20
4,4'-DDE	0.0896	0.00400	"	0.100		89.6	40-140				20
4,4'-DDT	0.0805	0.00400	"	0.100		80.5	40-140				20
Aldrin	0.0685	0.00400	"	0.100		68.5	40-140				20
alpha-BHC	0.0760	0.00400	"	0.100		76.0	40-140				20
alpha-Chlordane	0.0812	0.00400	"	0.100		81.2	40-140				20
beta-BHC	0.0926	0.00400	"	0.100		92.6	40-140				20
delta-BHC	0.0884	0.00400	"	0.100		88.4	40-140				20
Dieldrin	0.0899	0.00200	"	0.100		89.9	40-140				20
Endosulfan I	0.0856	0.00400	"	0.100		85.6	40-140				20
Endosulfan II	0.0930	0.00400	"	0.100		93.0	40-140				20
Endosulfan sulfate	0.0796	0.00400	"	0.100		79.6	40-140				20
Endrin	0.0864	0.00400	"	0.100		86.4	40-140				20
Endrin aldehyde	0.0876	0.0100	"	0.100		87.6	40-140				20
Endrin ketone	0.0938	0.0100	"	0.100		93.8	40-140				20
gamma-BHC (Lindane)	0.0802	0.00400	"	0.100		80.2	40-140				20
gamma-Chlordane	0.0877	0.0100	"	0.100		87.7	40-140				20
Heptachlor	0.0935	0.00400	"	0.100		93.5	40-140				20
Heptachlor epoxide	0.0890	0.00400	"	0.100		89.0	40-140				20
Methoxychlor	0.0719	0.00400	"	0.100		71.9	40-140				20
<i>Surrogate: Decachlorobiphenyl</i>	0.114		"	0.200		57.0	30-150				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.143		"	0.200		71.6	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
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Batch BD10999 - EPA SW846-3510C Low Level

LCS Dup (BD10999-BS1)	LCS Dup	Prepared: 04/19/2021 Analyzed: 04/20/2021									
4,4'-DDD	0.0811	0.00400	ug/L	0.100		81.1	40-140		19.6	20	
4,4'-DDE	0.0729	0.00400	"	0.100		72.9	40-140		20.6	20	Non-dir.
4,4'-DDT	0.0694	0.00400	"	0.100		69.4	40-140		14.7	20	
Aldrin	0.0584	0.00400	"	0.100		58.4	40-140		16.0	20	
alpha-BHC	0.0613	0.00400	"	0.100		61.3	40-140		21.4	20	Non-dir.
alpha-Chlordane	0.0621	0.00400	"	0.100		62.1	40-140		26.6	20	Non-dir.
beta-BHC	0.0785	0.00400	"	0.100		78.5	40-140		16.6	20	
delta-BHC	0.0703	0.00400	"	0.100		70.3	40-140		22.8	20	Non-dir.
Dieldrin	0.0729	0.00200	"	0.100		72.9	40-140		20.8	20	Non-dir.
Endosulfan I	0.0684	0.00400	"	0.100		68.4	40-140		22.3	20	Non-dir.
Endosulfan II	0.0778	0.00400	"	0.100		77.8	40-140		17.8	20	
Endosulfan sulfate	0.0675	0.00400	"	0.100		67.5	40-140		16.5	20	
Endrin	0.0738	0.00400	"	0.100		73.8	40-140		15.7	20	
Endrin aldehyde	0.0722	0.0100	"	0.100		72.2	40-140		19.3	20	
Endrin ketone	0.0829	0.0100	"	0.100		82.9	40-140		12.4	20	
gamma-BHC (Lindane)	0.0612	0.00400	"	0.100		61.2	40-140		26.9	20	Non-dir.
gamma-Chlordane	0.0641	0.0100	"	0.100		64.1	40-140		31.0	20	Non-dir.
Heptachlor	0.0782	0.00400	"	0.100		78.2	40-140		17.9	20	
Heptachlor epoxide	0.0720	0.00400	"	0.100		72.0	40-140		21.1	20	Non-dir.
Methoxychlor	0.0656	0.00400	"	0.100		65.6	40-140		9.18	20	
Surrogate: Decachlorobiphenyl	0.108		"	0.200		53.9	30-150				
Surrogate: Tetrachloro-m-xylene	0.134		"	0.200		67.2	30-150				

Batch Y1D0212 - BC11630

Performance Mix (Y1D0212-F)	Performance Mix	Prepared & Analyzed: 04/01/2021									
4,4'-DDD	10.7		ng/mL	0.00			0-200				
4,4'-DDE	0.811		"	0.00			0-200				
4,4'-DDT	247		"	200		123	0-200				
Endrin	129		"	100		129	0-200				
Endrin aldehyde	0.667		"	0.00			0-200				
Endrin ketone	2.54		"	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
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Batch Y1D2015 - BD10856

Performance Mix (Y1D2015-F Performance Mix)							Prepared & Analyzed: 04/19/2021				
4,4'-DDD	6.69		ng/mL	0.00			0-200				
4,4'-DDE	1.17		"	0.00			0-200				
4,4'-DDT	130		"	200		65.0	0-200				
Endrin	72.1		"	100		72.1	0-200				
Endrin aldehyde	0.169		"	0.00			0-200				
Endrin ketone	3.21		"	0.00			0-200				

Batch Y1D2107 - BD10762

Performance Mix (Y1D2107-F Performance Mix)							Prepared & Analyzed: 04/20/2021				
4,4'-DDD	7.10		ng/mL	0.00			0-200				
4,4'-DDE	0.962		"	0.00			0-200				
4,4'-DDT	131		"	200		65.4	0-200				
Endrin	67.8		"	100		67.8	0-200				
Endrin aldehyde	0.421		"	0.00			0-200				
Endrin ketone	2.63		"	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 BD10856 - EPA 3550C											
Blank (BD10856-BLK2) Blank		Prepared: 04/15/2021 Analyzed: 04/16/2021									
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	"								
Total PCBs	ND	0.0166	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0595		"	0.0664		89.5	30-120				
<i>Surrogate: Decachlorobiphenyl</i>	0.0488		"	0.0664		73.5	30-120				
LCS (BD10856-BS2) LCS		Prepared: 04/15/2021 Analyzed: 04/16/2021									
Aroclor 1016	0.318	0.0166	mg/kg wet	0.332		95.8	40-130				
Aroclor 1260	0.312	0.0166	"	0.332		93.8	40-130				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0608		"	0.0664		91.5	30-120				
<i>Surrogate: Decachlorobiphenyl</i>	0.0482		"	0.0664		72.5	30-120				
Matrix Spike (BD10856-MS2) Matrix Spike		*Source sample: 21D0604-04 (Matrix Spike) Prepared: 04/15/2021 Analyzed: 04/16/2021									
Aroclor 1016	0.242	0.0186	mg/kg dry	0.373	ND	65.1	40-140				
Aroclor 1260	0.246	0.0186	"	0.373	0.0731	46.5	40-140				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0589		"	0.0745		79.0	30-120				
<i>Surrogate: Decachlorobiphenyl</i>	0.0343		"	0.0745		46.0	30-120				
Matrix Spike Dup (BD10856-MS2) Matrix Spike Dup		*Source sample: 21D0604-04 (Matrix Spike Dup) Prepared: 04/15/2021 Analyzed: 04/16/2021									
Aroclor 1016	0.191	0.0186	mg/kg dry	0.373	ND	51.3	40-140		23.7	50	
Aroclor 1260	0.230	0.0186	"	0.373	0.0731	42.0	40-140		7.01	50	
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0551		"	0.0745		74.0	30-120				
<i>Surrogate: Decachlorobiphenyl</i>	0.0358		"	0.0745		48.0	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
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Batch BD10999 - EPA SW846-3510C Low Level

Blank (BD10999-BLK2)		Blank										Prepared: 04/19/2021 Analyzed: 04/20/2021	
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	"										
Total PCBs	ND	0.0500	"										

Surrogate: Tetrachloro-m-xylene	0.116		"	0.200		58.0	30-150					
Surrogate: Decachlorobiphenyl	0.0830		"	0.200		41.5	30-150					

LCS (BD10999-BS2)		LCS										Prepared: 04/19/2021 Analyzed: 04/20/2021	
Aroclor 1016	0.825	0.0500	ug/L	1.00		82.5	40-120					20	
Aroclor 1260	0.763	0.0500	"	1.00		76.3	40-120					20	
Surrogate: Tetrachloro-m-xylene	0.149		"	0.200		74.5	30-150						
Surrogate: Decachlorobiphenyl	0.107		"	0.200		53.5	30-150						

LCS Dup (BD10999-BSD2)		LCS Dup										Prepared: 04/19/2021 Analyzed: 04/20/2021	
Aroclor 1016	0.813	0.0500	ug/L	1.00		81.3	40-120			1.44		20	
Aroclor 1260	0.839	0.0500	"	1.00		83.9	40-120			9.41		20	
Surrogate: Tetrachloro-m-xylene	0.138		"	0.200		69.0	30-150						
Surrogate: Decachlorobiphenyl	0.110		"	0.200		55.0	30-150						

Batch Y1D1913 - BD10791

Aroclor Reference (Y1D1913-)		Aroclor Reference										Prepared & Analyzed: 04/16/2021	
Surrogate: Tetrachloro-m-xylene	0.214		ug/mL	0.200		107							
Surrogate: Decachlorobiphenyl	0.201		"	0.200		100							



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
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Batch Y1D2039 - BD11034

Aroclor Reference (Y1D2039)- Aroclor Reference

Prepared & Analyzed: 04/20/2021

<i>Surrogate: Tetrachloro-m-xylene</i>	0.215		ug/mL	0.200		108					
<i>Surrogate: Decachlorobiphenyl</i>	0.178		"	0.200		89.0					



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
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Batch BD10964 - EPA 3550C/8151A

Blank (BD10964-BLK1)		Blank		Prepared & Analyzed: 04/19/2021							
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>		0.400	"	0.415		96.4	21-150				

LCS (BD10964-BS1)		LCS		Prepared & Analyzed: 04/19/2021							
2,4,5-T	0.0772	0.0199	mg/kg wet	0.133		58.1	10-120				
2,4,5-TP (Silvex)	0.0806	0.0199	"	0.133		60.6	10-120				
2,4-D	0.0889	0.0199	"	0.133		66.9	10-118				
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>		0.331	"	0.415		79.8	21-150				

Matrix Spike (BD10964-MS1)		Matrix Spike		*Source sample: 21D0755-01 (Matrix Spike)		Prepared & Analyzed: 04/19/2021					
2,4,5-T	0.0969	0.0219	mg/kg dry	0.146	ND	66.2	10-120				
2,4,5-TP (Silvex)	0.101	0.0219	"	0.146	ND	68.8	10-120				
2,4-D	0.0988	0.0219	"	0.146	ND	67.5	10-118				
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>		0.396	"	0.457		86.6	21-150				

Matrix Spike Dup (BD10964-MS1)		Matrix Spike Dup		*Source sample: 21D0755-01 (Matrix Spike Dup)		Prepared & Analyzed: 04/19/2021					
2,4,5-T	0.0887	0.0219	mg/kg dry	0.146	ND	60.6	10-120		8.87	35	
2,4,5-TP (Silvex)	0.0988	0.0219	"	0.146	ND	67.5	10-120		1.83	35	
2,4-D	0.0878	0.0219	"	0.146	ND	60.0	10-118		11.8	35	
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>		0.367	"	0.457		80.2	21-150				

Batch BD11033 - EPA 8151A

Blank (BD11033-BLK1)		Blank		Prepared & Analyzed: 04/20/2021							
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>		97.2	"	125		77.8	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
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Batch BD11033 - EPA 8151A

LCS (BD11033-BS1)	LCS	Prepared & Analyzed: 04/20/2021									
2,4,5-T	30.5	5.00	ug/L	40.0		76.2	10-140				
2,4,5-TP (Silvex)	32.0	5.00	"	40.0		80.0	10-139				
2,4-D	31.8	5.00	"	40.0		79.4	10-140				
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	<i>116</i>		<i>"</i>	<i>125</i>		<i>92.8</i>	<i>30-150</i>				

LCS Dup (BD11033-BSD1)	LCS Dup	Prepared & Analyzed: 04/20/2021									
2,4,5-T	28.5	5.00	ug/L	40.0		71.2	10-140		6.78	30	
2,4,5-TP (Silvex)	29.8	5.00	"	40.0		74.4	10-139		7.29	30	
2,4-D	30.0	5.00	"	40.0		75.0	10-140		5.67	30	
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	<i>108</i>		<i>"</i>	<i>125</i>		<i>86.8</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
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Batch BD10877 - EPA 3050B

Blank (BD10877-BLK1)		Blank		Prepared: 04/15/2021 Analyzed: 04/20/2021							
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	10.7	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	11.9	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 (BD10877-DUP1)		Duplicate		*Source sample: 21D0759-01 (Duplicate)		Prepared: 04/15/2021 Analyzed: 04/21/2021				
Aluminum	2470	5.16	mg/kg dry	933		90.3	35	Non-dir.		
Antimony	ND	2.58	"	ND			35			
Arsenic	2.04	1.55	"	2.12		3.88	35			
Barium	24.7	2.58	"	6.59		116	35	Non-dir.		
Beryllium	ND	0.052	"	ND			35			
Cadmium	1.13	0.310	"	ND			35			
Calcium	1610	5.16	"	2440		41.1	35	Non-dir.		
Chromium	8.22	0.516	"	3.02		92.6	35	Non-dir.		
Cobalt	1.60	0.413	"	1.03		43.9	35	Non-dir.		
Copper	8.95	2.07	"	5.04		56.0	35	Non-dir.		
Iron	10400	25.8	"	3590		97.2	35	Non-dir.		
Lead	22.8	0.516	"	43.9		63.4	35	Non-dir.		
Magnesium	683	5.16	"	1320		63.7	35	Non-dir.		
Manganese	36.5	0.516	"	33.8		7.81	35			
Nickel	4.06	1.03	"	2.38		52.3	35	Non-dir.		
Potassium	288	5.16	"	133		74.0	35	Non-dir.		
Selenium	ND	2.58	"	ND			35			
Silver	ND	0.516	"	ND			35			
Sodium	68.9	51.6	"	ND			35			
Thallium	ND	2.58	"	ND			35			
Vanadium	9.81	1.03	"	3.76		89.2	35	Non-dir.		
Zinc	21.0	2.58	"	23.6		11.5	35			



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

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

Batch BD10877 - EPA 3050B

Matrix Spike (BD10877-MS1)	Matrix Spike	*Source sample: 21D0759-01 (Matrix Spike)					Prepared: 04/15/2021 Analyzed: 04/22/2021				
Aluminum	1050	5.16	mg/kg dry	207	933	58.1	75-125	Low Bias			
Antimony	19.2	2.58	"	25.8	ND	74.4	75-125	Low Bias			
Arsenic	211	1.55	"	207	2.12	101	75-125				
Barium	226	2.58	"	207	6.59	106	75-125				
Beryllium	5.09	0.052	"	5.16	ND	98.6	75-125				
Cadmium	5.35	0.310	"	5.16	ND	104	75-125				
Calcium	4040	5.16	"	103	2440	NR	75-125	High Bias			
Chromium	23.3	0.516	"	20.7	3.02	98.1	75-125				
Cobalt	54.3	0.413	"	51.6	1.03	103	75-125				
Copper	30.3	2.07	"	25.8	5.04	97.7	75-125				
Iron	3260	25.8	"	103	3590	NR	75-125	Low Bias			
Lead	69.1	0.516	"	51.6	43.9	48.8	75-125	Low Bias			
Magnesium	1820	5.16	"	103	1320	485	75-125	High Bias			
Manganese	85.9	0.516	"	51.6	33.8	101	75-125				
Nickel	55.0	1.03	"	51.6	2.38	102	75-125				
Potassium	221	5.16	"	103	133	85.3	75-125				
Selenium	186	2.58	"	207	ND	89.9	75-125				
Silver	2.95	0.516	"	5.16	ND	57.2	75-125	Low Bias			
Sodium	141	51.6	"	103	ND	137	75-125	High Bias			
Thallium	209	2.58	"	207	ND	101	75-125				
Vanadium	57.0	1.03	"	51.6	3.76	103	75-125				
Zinc	69.6	2.58	"	51.6	23.6	89.1	75-125				

Post Spike (BD10877-PS1)	Post Spike	*Source sample: 21D0759-01 (Post Spike)					Prepared: 04/15/2021 Analyzed: 04/21/2021				
Aluminum	11.2		ug/mL	2.00	9.03	109	75-125				
Antimony	0.289		"	0.250	0.006	113	75-125				
Arsenic	2.04		"	2.00	0.020	101	75-125				
Barium	2.18		"	2.00	0.064	106	75-125				
Beryllium	0.050		"	0.0500	-0.001	99.4	75-125				
Cadmium	0.051		"	0.0500	0.0005	102	75-125				
Calcium	25.5		"	1.00	23.7	188	75-125	High Bias			
Chromium	0.232		"	0.200	0.029	102	75-125				
Cobalt	0.543		"	0.500	0.010	107	75-125				
Copper	0.301		"	0.250	0.049	101	75-125				
Iron	36.1		"	1.00	34.7	141	75-125	High Bias			
Lead	0.970		"	0.500	0.425	109	75-125				
Magnesium	14.0		"	1.00	12.8	121	75-125				
Manganese	0.872		"	0.500	0.327	109	75-125				
Nickel	0.547		"	0.500	0.023	105	75-125				
Potassium	2.31		"	1.00	1.28	103	75-125				
Selenium	1.79		"	2.00	-0.009	89.4	75-125				
Silver	0.038		"	0.0500	-0.004	75.3	75-125				
Sodium	1.43		"	1.00	0.402	103	75-125				
Thallium	2.02		"	2.00	-0.010	101	75-125				
Vanadium	0.549		"	0.500	0.036	103	75-125				
Zinc	0.755		"	0.500	0.228	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
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Batch BD10877 - EPA 3050B

Reference (BD10877-SRM1) Reference Prepared: 04/15/2021 Analyzed: 04/20/2021

Aluminum	9250	5.00	mg/kg wet	8190		113	50.5-150.1				
Antimony	62.2	2.50	"	110		56.5	19-251.7				
Arsenic	176	1.50	"	162		109	70.1-129.8				
Barium	148	2.50	"	138		107	75-125				
Beryllium	161	0.050	"	157		102	75-125.2				
Cadmium	145	0.300	"	135		107	74.8-125.2				
Calcium	4860	5.00	"	4790		101	72.7-127.5				
Chromium	121	0.500	"	117		103	70.1-129.9				
Cobalt	99.2	0.400	"	92.6		107	75-125				
Copper	149	2.00	"	143		104	75.3-125.3				
Iron	14700	25.0	"	15100		97.1	35.8-164.6				
Lead	78.7	0.500	"	77.6		101	70-130				
Magnesium	2460	5.00	"	2320		106	61.7-137.8				
Manganese	334	0.500	"	319		105	78.1-122				
Nickel	91.2	1.00	"	79.9		114	70.1-130.1				
Potassium	2140	5.00	"	2050		104	59.1-140.9				
Selenium	154	2.50	"	172		89.6	55.7-144.5				
Silver	23.2	0.500	"	24.7		94.1	69.2-130.8				
Sodium	150	50.0	"	137		109	36.1-163.3				
Thallium	87.7	2.50	"	88.0		99.6	65.3-146.8				
Vanadium	101	1.00	"	99.9		101	67-133.1				
Zinc	329	2.50	"	312		105	69.9-130.1				

Batch BD10928 - EPA 3015A

Blank (BD10928-BLK1) Blank Prepared: 04/16/2021 Analyzed: 04/20/2021

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	0.104	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
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Batch BD10928 - EPA 3015A

LCS (BD10928-BS1)	LCS	Prepared: 04/16/2021 Analyzed: 04/20/2021									
Aluminum	1.99		ug/mL	2.00		99.7	80-120				
Barium	2.09		"	2.00		105	80-120				
Calcium	1.04		"	1.00		104	80-120				
Chromium	0.201		"	0.200		101	80-120				
Cobalt	0.532		"	0.500		106	80-120				
Copper	0.249		"	0.250		99.6	80-120				
Iron	1.04		"	1.00		104	80-120				
Lead	0.527		"	0.500		105	80-120				
Magnesium	1.06		"	1.00		106	80-120				
Manganese	0.519		"	0.500		104	80-120				
Nickel	0.521		"	0.500		104	80-120				
Potassium	0.998		"	1.00		99.8	80-120				
Silver	0.0527		"	0.0500		105	80-120				
Sodium	1.05		"	1.00		105	80-120				
Vanadium	0.503		"	0.500		101	80-120				
Zinc	0.511		"	0.500		102	80-120				

Duplicate (BD10928-DUP1)	Duplicate	*Source sample: 21D0652-02 (079_FB-4) Prepared: 04/16/2021 Analyzed: 04/20/2021									
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	0.0723	0.0556	"		0.0653				10.2		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	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit		Level	Result					RPD		Limit

Batch BD10928 - EPA 3015A

Matrix Spike (BD10928-MS1)	Matrix Spike	*Source sample: 21D0652-02 (079_FB-4)					Prepared: 04/16/2021 Analyzed: 04/20/2021				
Aluminum	2.00	0.0556	mg/L	2.22	ND	90.1	75-125				
Barium	2.09	0.0278	"	2.22	ND	94.3	75-125				
Calcium	1.06	0.0556	"	1.11	ND	95.0	75-125				
Chromium	0.201	0.00556	"	0.222	ND	90.6	75-125				
Cobalt	0.532	0.00444	"	0.556	ND	95.7	75-125				
Copper	0.248	0.0222	"	0.278	ND	89.4	75-125				
Iron	1.06	0.278	"	1.11	ND	95.8	75-125				
Lead	0.526	0.00556	"	0.556	ND	94.7	75-125				
Magnesium	1.03	0.0556	"	1.11	ND	93.1	75-125				
Manganese	0.520	0.00556	"	0.556	ND	93.6	75-125				
Nickel	0.520	0.0111	"	0.556	ND	93.7	75-125				
Potassium	1.10	0.0556	"	1.11	0.0653	93.5	75-125				
Silver	0.0521	0.00556	"	0.0556	ND	93.8	75-125				
Sodium	1.11	0.556	"	1.11	ND	99.9	75-125				
Vanadium	0.503	0.0111	"	0.556	ND	90.6	75-125				
Zinc	0.518	0.0278	"	0.556	ND	93.2	75-125				

Post Spike (BD10928-PS1)	Post Spike	*Source sample: 21D0652-02 (079_FB-4)					Prepared: 04/16/2021 Analyzed: 04/20/2021				
Aluminum	2.15		ug/mL	2.00	0.0184	107	75-125				
Barium	2.13		"	2.00	-0.000118	107	75-125				
Calcium	1.14		"	1.00	0.0249	112	75-125				
Chromium	0.205		"	0.200	0.000810	102	75-125				
Cobalt	0.542		"	0.500	-0.000255	108	75-125				
Copper	0.254		"	0.250	0.000264	102	75-125				
Iron	1.10		"	1.00	0.00840	109	75-125				
Lead	0.539		"	0.500	-0.00251	108	75-125				
Magnesium	1.11		"	1.00	0.000352	111	75-125				
Manganese	0.530		"	0.500	0.000135	106	75-125				
Nickel	0.532		"	0.500	-0.000775	106	75-125				
Potassium	1.13		"	1.00	0.0588	107	75-125				
Silver	0.0429		"	0.0500	-0.000279	85.8	75-125				
Sodium	1.15		"	1.00	0.112	104	75-125				
Vanadium	0.512		"	0.500	0.000402	102	75-125				
Zinc	0.530		"	0.500	0.00651	105	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 BD10929 - EPA 3015A												
Blank (BD10929-BLK1)	Blank								Prepared: 04/16/2021 Analyzed: 04/20/2021			
Antimony	ND	0.00111	mg/L									
Arsenic	ND	0.00111	"									
Beryllium	ND	0.000333	"									
Cadmium	ND	0.000556	"									
Selenium	ND	0.00111	"									
Thallium	ND	0.00111	"									
LCS (BD10929-BS1)	LCS								Prepared: 04/16/2021 Analyzed: 04/20/2021			
Antimony	48.5		ug/L	50.0		97.0	80-120					
Arsenic	49.0		"	50.0		98.0	80-120					
Beryllium	53.0		"	50.0		106	80-120					
Cadmium	46.5		"	50.0		93.0	80-120					
Selenium	46.7		"	50.0		93.3	80-120					
Thallium	46.1		"	50.0		92.2	80-120					
Duplicate (BD10929-DUP1)	Duplicate								*Source sample: 21D0652-02 (079_FB-4) Prepared: 04/16/2021 Analyzed: 04/20/2021			
Antimony	ND	0.00111	mg/L		ND						20	
Arsenic	ND	0.00111	"		ND						20	
Beryllium	ND	0.000333	"		ND						20	
Cadmium	ND	0.000556	"		ND						20	
Selenium	ND	0.00111	"		ND						20	
Thallium	ND	0.00111	"		ND						20	
Matrix Spike (BD10929-MS1)	Matrix Spike								*Source sample: 21D0652-02 (079_FB-4) Prepared: 04/16/2021 Analyzed: 04/20/2021			
Antimony	52.6		ug/L	50.0	0.0008	105	75-125					
Arsenic	50.4		"	50.0	0.097	101	75-125					
Beryllium	54.9		"	50.0	0.012	110	75-125					
Cadmium	48.5		"	50.0	0.016	97.0	75-125					
Selenium	49.4		"	50.0	0.454	97.8	75-125					
Thallium	47.1		"	50.0	0.046	94.0	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 BD10882 - EPA 7473 soil											
Blank (BD10882-BLK1)	Blank								Prepared: 04/15/2021 Analyzed: 04/16/2021		
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BD10882-DUP1)	Duplicate								Prepared: 04/15/2021 Analyzed: 04/16/2021		
Mercury	ND	0.0310	mg/kg dry		ND					35	
Matrix Spike (BD10882-MS1)	Matrix Spike								Prepared: 04/15/2021 Analyzed: 04/16/2021		
Mercury	0.450		mg/kg	0.500	0.0143	87.2	75-125				
Reference (BD10882-SRM1)	Reference								Prepared: 04/15/2021 Analyzed: 04/16/2021		
Mercury	21.442		mg/kg	27.2		78.8	59.9-140.1				
Batch BD11100 - EPA SW846-7470A											
Blank (BD11100-BLK1)	Blank								Prepared & Analyzed: 04/20/2021		
Mercury	ND	0.0002	mg/L								
LCS (BD11100-BS1)	LCS								Prepared & Analyzed: 04/20/2021		
Mercury	0.002149	0.0002	mg/L	0.00200		107	80-120				
LCS (BD11100-BS2)	LCS								Prepared & Analyzed: 04/20/2021		
Mercury	0.002038	0.0002	mg/L	0.00200		102	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 BD10783 - Analysis Preparation												
Blank (BD10783-BLK1)	Blank										Prepared & Analyzed: 04/14/2021	
Chromium, Hexavalent	ND	0.0100	mg/L									
LCS (BD10783-BS1)	LCS										Prepared & Analyzed: 04/14/2021	
Chromium, Hexavalent	0.500	0.0100	mg/L	0.500		100	80-120					
Duplicate (BD10783-DUP1)	Duplicate	*Source sample: 21D0652-02 (079_FB-4)										Prepared & Analyzed: 04/14/2021
Chromium, Hexavalent	ND	0.0100	mg/L		ND						20	
Matrix Spike (BD10783-MS1)	Matrix Spike	*Source sample: 21D0652-02 (079_FB-4)										Prepared & Analyzed: 04/14/2021
Chromium, Hexavalent	0.513	0.0100	mg/L	0.500	ND	103	75-125					
Batch BD10794 - EPA SW846-3060												
Blank (BD10794-BLK1)	Blank										Prepared & Analyzed: 04/15/2021	
Chromium, Hexavalent	ND	0.500	mg/kg wet									
Duplicate (BD10794-DUP1)	Duplicate	*Source sample: 21D0652-01 (081_LSB-26C)										Prepared & Analyzed: 04/15/2021
Chromium, Hexavalent	ND	0.604	mg/kg dry		ND						35	
Matrix Spike (BD10794-MS1)	Matrix Spike	*Source sample: 21D0652-01 (081_LSB-26C)										Prepared & Analyzed: 04/15/2021
Chromium, Hexavalent	2.32	0.604	mg/kg dry	24.2	ND	9.60	75-125	Low Bias				
Matrix Spike (BD10794-MS2)	Matrix Spike	*Source sample: 21D0652-01 (081_LSB-26C)										Prepared & Analyzed: 04/15/2021
Chromium, Hexavalent	1.45	0.604	mg/kg dry	24.2	ND	6.00	75-125	Low Bias				
Reference (BD10794-SRM1)	Reference										Prepared & Analyzed: 04/15/2021	
Chromium, Hexavalent	87.2		mg/L	109		80.0	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 BD11239 - Analysis Preparation Soil												
Blank (BD11239-BLK1)	Blank								Prepared & Analyzed: 04/22/2021			
Cyanide, total	ND	0.500	mg/kg wet									
Duplicate (BD11239-DUP1)	Duplicate	*Source sample: 21D0932-01 (Duplicate)								Prepared & Analyzed: 04/22/2021		
Cyanide, total	ND	0.529	mg/kg dry		ND					15		
Matrix Spike (BD11239-MS1)	Matrix Spike	*Source sample: 21D0932-01 (Matrix Spike)								Prepared & Analyzed: 04/22/2021		
Cyanide, total	8.55	0.529	mg/kg dry	10.6	ND	80.8	79.6-107					
Reference (BD11239-SRM1)	Reference								Prepared & Analyzed: 04/22/2021			
Cyanide, total	91.3		ug/mL	91.9		99.3	12.22-159.96					



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD10922 - % Solids Prep

Duplicate (BD10922-DUP1)	Duplicate	*Source sample: 21D0689-11 (Duplicate)	Prepared: 04/16/2021 Analyzed: 04/19/2021								
% Solids	93.7	0.100	%		93.8					0.132	20



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21D0652-01	081_LSB-26C	40mL Vial with Stir Bar-Cool 4° C
21D0652-02	079_FB-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21D0652-03	080_TB-8	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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
M-SRD1	The serial dilution for this element was outside control limits.
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-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
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.
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.



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive, 4th Floor

Parsipanny NJ, 07054-2172

Attention: Brandon Reiner

Report Date: 04/26/2021

Client Project ID: 100688801

York Project (SDG) No.: 21D0750

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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Report Date: 04/26/2021
Client Project ID: 100688801
York Project (SDG) No.: 21D0750

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Brandon Reiner

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 15, 2021 and listed below. The project was identified as your project: **100688801**.

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>
21D0750-01	082_LSB-24A	Soil	04/15/2021	04/15/2021
21D0750-02	083_LSB-24B	Soil	04/15/2021	04/15/2021
21D0750-03	084_LSB-24C	Soil	04/15/2021	04/15/2021
21D0750-04	085_LSB-27A	Soil	04/15/2021	04/15/2021
21D0750-05	086_DUP-4	Soil	04/15/2021	04/15/2021
21D0750-06	087_LSB-27B	Soil	04/15/2021	04/15/2021
21D0750-07	088_LSB-27C	Soil	04/15/2021	04/15/2021
21D0750-08	089_FB-5	Water	04/15/2021	04/15/2021
21D0750-09	090_TB-9	Water	04/15/2021	04/15/2021

General Notes for York Project (SDG) No.: 21D0750

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: 04/26/2021





Sample Information

Client Sample ID: 082_LSB-24A

York Sample ID: 21D0750-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0750	100688801	Soil	April 15, 2021 8:15 am	04/15/2021

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	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2021 06:47	04/21/2021 12:07	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2021 06:47	04/21/2021 12:07	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA



Sample Information

Client Sample ID: 082_LSB-24A

York Sample ID: 21D0750-01

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:15 am	<u>Date Received</u> 04/15/2021
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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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.040	0.081	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2021 06:47	04/21/2021 12:07	KHA
78-93-3	2-Butanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
67-64-1	Acetone	0.0064	CCV-E, J	mg/kg dry	0.0040	0.0081	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
108-86-1	Bromobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA



Sample Information

Client Sample ID: 082_LSB-24A

York Sample ID: 21D0750-01

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:15 am	<u>Date Received</u> 04/15/2021
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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
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
75-09-2	Methylene chloride	0.0054	J	mg/kg dry	0.0040	0.0081	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA



Sample Information

Client Sample ID: 082_LSB-24A

York Sample ID: 21D0750-01

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:15 am	<u>Date Received</u> 04/15/2021
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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
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:07	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2021 06:47	04/21/2021 12:07	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	97.4 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	105 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	100 %			76-130						

Semivolatiles, 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	0.0466	0.0930	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0930	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0930	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH



Sample Information

Client Sample ID: 082_LSB-24A

York Sample ID: 21D0750-01

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:15 am	<u>Date Received</u> 04/15/2021
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0930	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0930	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0930	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0930	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0930	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH



Sample Information

Client Sample ID: 082_LSB-24A

York Sample ID: 21D0750-01

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:15 am	<u>Date Received</u> 04/15/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0930	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
208-96-8	Acenaphthylene	0.0751	J	mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
62-53-3	Aniline	ND		mg/kg dry	0.186	0.372	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
120-12-7	Anthracene	0.133		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
92-87-5	Benzidine	ND		mg/kg dry	0.186	0.372	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
56-55-3	Benzo(a)anthracene	0.408		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
50-32-8	Benzo(a)pyrene	0.441		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
205-99-2	Benzo(b)fluoranthene	0.328		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
191-24-2	Benzo(g,h,i)perylene	0.282		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
207-08-9	Benzo(k)fluoranthene	0.343		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.0832	J	mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0930	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH



Sample Information

Client Sample ID: 082_LSB-24A

York Sample ID: 21D0750-01

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:15 am	<u>Date Received</u> 04/15/2021
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Semivolatiles, 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
86-74-8	Carbazole	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
218-01-9	Chrysen	0.389		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
53-70-3	Dibenzo(a,h)anthracene	0.0602	J	mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
206-44-0	Fluoranthene	0.719		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.282		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH



Sample Information

Client Sample ID: 082_LSB-24A

York Sample ID: 21D0750-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0750

100688801

Soil

April 15, 2021 8:15 am

04/15/2021

Semivolatiles, 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
85-01-8	Phenanthrene	0.406		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
108-95-2	Phenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
129-00-0	Pyrene	0.734		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
110-86-1	Pyridine	ND		mg/kg dry	0.186	0.372	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 14:31	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	54.0 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	53.8 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	75.9 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	52.7 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	65.2 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	60.6 %			24-116						

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	04/21/2021 07:28	04/21/2021 15:58	KH	
Surrogate Recoveries		Result			Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	36.0 %	S-08		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	0.518	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:37	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.518	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:37	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.518	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:37	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.518	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:37	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.518	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:37	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	1.61		ug/kg dry	0.518	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:37	WL



Sample Information

Client Sample ID: 082_LSB-24A

York Sample ID: 21D0750-01

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:15 am	<u>Date Received</u> 04/15/2021
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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
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.518	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:37	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.518	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:37	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.518	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:37	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.518	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:37	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.518	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:37	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.518	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:37	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.518	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:37	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.518	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:37	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.518	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:37	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.518	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:37	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.518	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:37	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.518	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:37	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.518	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:37	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.518	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:37	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.518	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 15:37	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	89.1 %	25-150
Surrogate: M5PFHxA	96.1 %	25-150
Surrogate: M4PFHpA	70.8 %	25-150
Surrogate: M3PFHxS	86.4 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	98.1 %	25-150
Surrogate: M6PFDA	89.4 %	25-150
Surrogate: M7PFUdA	80.5 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	65.0 %	25-150
Surrogate: M2PFTeDA	53.5 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	99.8 %	25-150



Sample Information

Client Sample ID: 082_LSB-24A

York Sample ID: 21D0750-01

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:15 am	<u>Date Received</u> 04/15/2021
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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
	Surrogate: Perfluoro-1-[13C8]octanesulfor	82.8 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	97.8 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	54.4 %			10-150					
	Surrogate: d3-N-MeFOSAA	118 %			25-150					
	Surrogate: d5-N-EtFOSAA	122 %			25-150					
	Surrogate: M2-6:2 FTS	197 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	241 %	PFSu-H		25-150					
	Surrogate: M9PFNA	91.5 %			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	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:28	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:28	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:28	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:28	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:28	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/16/2021 13:57	04/20/2021 07:28	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:28	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:28	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:28	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:28	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/16/2021 13:57	04/20/2021 07:28	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:28	CM
72-20-8	Endrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:28	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:28	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:28	CM



Sample Information

Client Sample ID: 082_LSB-24A

York Sample ID: 21D0750-01

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:15 am	<u>Date Received</u> 04/15/2021
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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
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:28	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/16/2021 13:57	04/20/2021 07:28	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:28	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:28	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:28	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:28	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	36.9 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	29.3 %	S-GC	30-150						

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 17:57	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 17:57	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 17:57	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 17:57	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 17:57	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 17:57	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 17:57	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications:	04/16/2021 13:57	04/19/2021 17:57	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	39.5 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	24.0 %	S-GC	30-120						

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 082_LSB-24A

York Sample ID: 21D0750-01

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:15 am	<u>Date Received</u> 04/15/2021
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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	04/20/2021 07:24	04/20/2021 16:52	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0220	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:24	04/20/2021 16:52	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0220	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:24	04/20/2021 16:52	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
7429-90-5	Aluminum	6670		mg/kg dry	5.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:04	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:04	WJM
7440-38-2	Arsenic	11.1		mg/kg dry	1.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:04	WJM
7440-39-3	Barium	438		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:04	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:04	WJM
7440-43-9	Cadmium	0.943		mg/kg dry	0.339	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:04	WJM
7440-70-2	Calcium	8870	B	mg/kg dry	5.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:04	WJM
7440-47-3	Chromium	30.8		mg/kg dry	0.565	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:04	WJM
7440-48-4	Cobalt	8.58		mg/kg dry	0.452	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:04	WJM
7440-50-8	Copper	146		mg/kg dry	2.26	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:04	WJM
7439-89-6	Iron	40200		mg/kg dry	28.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:04	WJM
7439-92-1	Lead	1690		mg/kg dry	0.565	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:04	WJM
7439-95-4	Magnesium	2560		mg/kg dry	5.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:04	WJM
7439-96-5	Manganese	291		mg/kg dry	0.565	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:04	WJM
7440-02-0	Nickel	27.6		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:04	WJM



Sample Information

Client Sample ID: 082_LSB-24A

York Sample ID: 21D0750-01

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:15 am	<u>Date Received</u> 04/15/2021
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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
7440-09-7	Potassium	742	B	mg/kg dry	5.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:04	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:04	WJM
7440-22-4	Silver	ND		mg/kg dry	0.565	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:04	WJM
7440-23-5	Sodium	283		mg/kg dry	56.5	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:04	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:04	WJM
7440-62-2	Vanadium	25.2		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:04	WJM
7440-66-6	Zinc	532		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:04	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	0.463		mg/kg dry	0.0339	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/19/2021 14:12	04/19/2021 15:48	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	0.565	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	04/16/2021 08:36	04/16/2021 15:37	ALH

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	0.0113	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/23/2021 09:02	04/23/2021 16:43	ALH

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	88.5		%	0.100	1	SM 2540G Certifications: CTDOH	04/19/2021 08:05	04/19/2021 12:09	SK



Sample Information

Client Sample ID: 082_LSB-24A

York Sample ID: 21D0750-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0750	100688801	Soil	April 15, 2021 8:15 am	04/15/2021



Sample Information

Client Sample ID: 083_LSB-24B

York Sample ID: 21D0750-02

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:25 am	<u>Date Received</u> 04/15/2021
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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	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2021 06:47	04/21/2021 12:33	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2021 06:47	04/21/2021 12:33	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA



Sample Information

Client Sample ID: 083_LSB-24B

York Sample ID: 21D0750-02

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:25 am	<u>Date Received</u> 04/15/2021
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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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.039	0.079	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2021 06:47	04/21/2021 12:33	KHA
78-93-3	2-Butanone	0.0022	J	mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
67-64-1	Acetone	0.011	CCV-E	mg/kg dry	0.0039	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0039	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
108-86-1	Bromobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA



Sample Information

Client Sample ID: 083_LSB-24B

York Sample ID: 21D0750-02

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:25 am	<u>Date Received</u> 04/15/2021
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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
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
75-09-2	Methylene chloride	0.0051	J	mg/kg dry	0.0039	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0039	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA



Sample Information

Client Sample ID: 083_LSB-24B

York Sample ID: 21D0750-02

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:25 am	<u>Date Received</u> 04/15/2021
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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
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:33	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2021 06:47	04/21/2021 12:33	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.5 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	108 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	104 %			76-130						

Semivolatiles, 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	0.0440	0.0877	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0877	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0877	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH



Sample Information

Client Sample ID: 083_LSB-24B

York Sample ID: 21D0750-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0750

100688801

Soil

April 15, 2021 8:25 am

04/15/2021

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include various chemical compounds like 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, etc.



Sample Information

Client Sample ID: 083_LSB-24B

York Sample ID: 21D0750-02

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:25 am	<u>Date Received</u> 04/15/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0877	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
62-53-3	Aniline	ND		mg/kg dry	0.176	0.351	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
120-12-7	Anthracene	0.0659	J	mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
92-87-5	Benzidine	ND		mg/kg dry	0.176	0.351	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
56-55-3	Benzo(a)anthracene	0.182		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
50-32-8	Benzo(a)pyrene	0.215		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
205-99-2	Benzo(b)fluoranthene	0.171		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
191-24-2	Benzo(g,h,i)perylene	0.137		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
207-08-9	Benzo(k)fluoranthene	0.171		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.0856	J	mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0877	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH



Sample Information

Client Sample ID: 083_LSB-24B

York Sample ID: 21D0750-02

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:25 am	<u>Date Received</u> 04/15/2021
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Semivolatiles, 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
86-74-8	Carbazole	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
218-01-9	Chrysen	0.180		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
206-44-0	Fluoranthene	0.325		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.142		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH



Sample Information

Client Sample ID: 083_LSB-24B

York Sample ID: 21D0750-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0750

100688801

Soil

April 15, 2021 8:25 am

04/15/2021

Semivolatiles, 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
85-01-8	Phenanthrene	0.214		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
108-95-2	Phenol	ND		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
129-00-0	Pyrene	0.297		mg/kg dry	0.0440	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
110-86-1	Pyridine	ND		mg/kg dry	0.176	0.351	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 16:31	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	76.9 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	73.3 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	106 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	76.7 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	96.5 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	92.2 %			24-116						

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	04/21/2021 07:28	04/21/2021 16:51	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	0.511	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 16:44	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 16:44	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 16:44	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 16:44	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 16:44	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 16:44	WL



Sample Information

Client Sample ID: 083_LSB-24B

York Sample ID: 21D0750-02

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:25 am	<u>Date Received</u> 04/15/2021
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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
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 16:44	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 16:44	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 16:44	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 16:44	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 16:44	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 16:44	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 16:44	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 16:44	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 16:44	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 16:44	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 16:44	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 16:44	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 16:44	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 16:44	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 16:44	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	92.0 %	25-150
Surrogate: M5PFHxA	96.9 %	25-150
Surrogate: M4PFHpA	83.1 %	25-150
Surrogate: M3PFHxS	91.0 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	99.1 %	25-150
Surrogate: M6PFDA	94.8 %	25-150
Surrogate: M7PFUdA	85.4 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	71.5 %	25-150
Surrogate: M2PFTeDA	50.9 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	101 %	25-150



Sample Information

Client Sample ID: 083_LSB-24B

York Sample ID: 21D0750-02

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:25 am	<u>Date Received</u> 04/15/2021
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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
	Surrogate: Perfluoro-1-[13C8]octanesulfor	86.8 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	96.0 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	62.8 %			10-150					
	Surrogate: d3-N-MeFOSAA	115 %			25-150					
	Surrogate: d5-N-EtFOSAA	141 %			25-150					
	Surrogate: M2-6:2 FTS	131 %			25-150					
	Surrogate: M2-8:2 FTS	181 %	PFSu-H		25-150					
	Surrogate: M9PFNA	99.2 %			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	04/16/2021 13:57	04/20/2021 07:45	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:45	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:45	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:45	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:45	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/16/2021 13:57	04/20/2021 07:45	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:45	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:45	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:45	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:45	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/16/2021 13:57	04/20/2021 07:45	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:45	CM
72-20-8	Endrin	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:45	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:45	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:45	CM



Sample Information

Client Sample ID: 083_LSB-24B

York Sample ID: 21D0750-02

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:25 am	<u>Date Received</u> 04/15/2021
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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
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:45	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/16/2021 13:57	04/20/2021 07:45	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:45	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:45	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:45	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 07:45	CM
Surrogate Recoveries		Result			Acceptance Range					
2051-24-3	Surrogate: Decachlorobiphenyl	31.6 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	44.8 %			30-150					

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 18:10	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 18:10	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 18:10	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 18:10	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 18:10	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 18:10	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 18:10	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications:	04/16/2021 13:57	04/19/2021 18:10	BJ
Surrogate Recoveries		Result			Acceptance Range					
877-09-8	Surrogate: Tetrachloro-m-xylene	48.5 %			30-120					
2051-24-3	Surrogate: Decachlorobiphenyl	25.5 %	S-GC		30-120					

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 083_LSB-24B

York Sample ID: 21D0750-02

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:25 am	<u>Date Received</u> 04/15/2021
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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	04/20/2021 07:24	04/20/2021 17:02	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0210	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:24	04/20/2021 17:02	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0210	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:24	04/20/2021 17:02	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	99.6 %	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
7429-90-5	Aluminum	3770		mg/kg dry	5.33	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:14	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:14	WJM
7440-38-2	Arsenic	2.33		mg/kg dry	1.60	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:14	WJM
7440-39-3	Barium	92.5		mg/kg dry	2.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:14	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.053	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:14	WJM
7440-43-9	Cadmium	ND		mg/kg dry	0.320	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:14	WJM
7440-70-2	Calcium	24800	B	mg/kg dry	5.33	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:14	WJM
7440-47-3	Chromium	12.0		mg/kg dry	0.533	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:14	WJM
7440-48-4	Cobalt	3.36		mg/kg dry	0.426	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:14	WJM
7440-50-8	Copper	48.4		mg/kg dry	2.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:14	WJM
7439-89-6	Iron	8650		mg/kg dry	26.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:14	WJM
7439-92-1	Lead	102		mg/kg dry	0.533	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:14	WJM
7439-95-4	Magnesium	12800		mg/kg dry	5.33	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:14	WJM
7439-96-5	Manganese	91.9		mg/kg dry	0.533	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:14	WJM
7440-02-0	Nickel	14.4		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:14	WJM



Sample Information

Client Sample ID: 083_LSB-24B

York Sample ID: 21D0750-02

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:25 am	<u>Date Received</u> 04/15/2021
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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
7440-09-7	Potassium	609	B	mg/kg dry	5.33	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:14	WJM
7782-49-2	Selenium	5.48		mg/kg dry	2.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:14	WJM
7440-22-4	Silver	ND		mg/kg dry	0.533	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:14	WJM
7440-23-5	Sodium	136		mg/kg dry	53.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:14	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:14	WJM
7440-62-2	Vanadium	44.0		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:14	WJM
7440-66-6	Zinc	121		mg/kg dry	2.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:14	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	0.0757		mg/kg dry	0.0320	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/19/2021 14:12	04/19/2021 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	0.533	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	04/16/2021 08:36	04/16/2021 15:37	ALH

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	0.0107	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/23/2021 09:02	04/23/2021 16:43	ALH

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 Certifications: CTDOH	04/19/2021 08:05	04/19/2021 12:09	SK



Sample Information

Client Sample ID: 083_LSB-24B

York Sample ID: 21D0750-02

York Project (SDG) No.
21D0750

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
April 15, 2021 8:25 am

Date Received
04/15/2021



Sample Information

Client Sample ID: 084_LSB-24C

York Sample ID: 21D0750-03

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:45 am	<u>Date Received</u> 04/15/2021
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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	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2021 06:47	04/21/2021 12:59	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2021 06:47	04/21/2021 12:59	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA



Sample Information

Client Sample ID: 084_LSB-24C

York Sample ID: 21D0750-03

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:45 am	<u>Date Received</u> 04/15/2021
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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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.094	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2021 06:47	04/21/2021 12:59	KHA
78-93-3	2-Butanone	0.030		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
67-64-1	Acetone	0.093	CCV-E	mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA



Sample Information

Client Sample ID: 084_LSB-24C

York Sample ID: 21D0750-03

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:45 am	<u>Date Received</u> 04/15/2021
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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
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA



Sample Information

Client Sample ID: 084_LSB-24C

York Sample ID: 21D0750-03

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:45 am	<u>Date Received</u> 04/15/2021
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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
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 12:59	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2021 06:47	04/21/2021 12:59	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	100 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	107 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %			76-130						

Semivolatiles, 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	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0991	0.198	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0991	0.198	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH



Sample Information

Client Sample ID: 084_LSB-24C

York Sample ID: 21D0750-03

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:45 am	<u>Date Received</u> 04/15/2021
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0991	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
91-57-6	2-Methylnaphthalene	0.112		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0991	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0991	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0991	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0991	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH



Sample Information

Client Sample ID: 084_LSB-24C

York Sample ID: 21D0750-03

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:45 am	<u>Date Received</u> 04/15/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0991	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
62-53-3	Aniline	ND		mg/kg dry	0.198	0.397	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
120-12-7	Anthracene	0.150		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
100-52-7	Benzaldehyde	0.174		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
92-87-5	Benzidine	ND		mg/kg dry	0.198	0.397	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
56-55-3	Benzo(a)anthracene	0.435		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
50-32-8	Benzo(a)pyrene	0.402		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
205-99-2	Benzo(b)fluoranthene	0.348		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
191-24-2	Benzo(g,h,i)perylene	0.228		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
207-08-9	Benzo(k)fluoranthene	0.270		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.285		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0991	0.198	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH



Sample Information

Client Sample ID: 084_LSB-24C

York Sample ID: 21D0750-03

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:45 am	<u>Date Received</u> 04/15/2021
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Semivolatiles, 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
86-74-8	Carbazole	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
218-01-9	Chrysen	0.668		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
53-70-3	Dibenzo(a,h)anthracene	0.102		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
206-44-0	Fluoranthene	0.653		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
86-73-7	Fluorene	0.0657	J	mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.233		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
91-20-3	Naphthalene	0.0958	J	mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH



Sample Information

Client Sample ID: 084_LSB-24C

York Sample ID: 21D0750-03

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:45 am	<u>Date Received</u> 04/15/2021
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Semivolatiles, 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
85-01-8	Phenanthrene	0.746		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
108-95-2	Phenol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
129-00-0	Pyrene	0.671		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
110-86-1	Pyridine	ND		mg/kg dry	0.198	0.397	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:01	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	78.6 %		20-108							
4165-62-2	Surrogate: SURR: Phenol-d5	71.9 %		23-114							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	112 %	S-08	22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	74.5 %		21-113							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	99.3 %		19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	83.7 %		24-116							

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	04/21/2021 07:28	04/21/2021 17:09	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	0.568	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:07	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.568	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:07	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.568	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:07	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.568	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:07	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.568	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:07	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.568	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:07	WL



Sample Information

Client Sample ID: 084_LSB-24C

York Sample ID: 21D0750-03

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:45 am	<u>Date Received</u> 04/15/2021
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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
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.568	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:07	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.568	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:07	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.568	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:07	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.568	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:07	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.568	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:07	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.568	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:07	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.568	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:07	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.568	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:07	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.568	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:07	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.568	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:07	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.568	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:07	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.568	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:07	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.568	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:07	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.568	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:07	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.568	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:07	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	88.9 %	25-150
Surrogate: M5PFHxA	97.9 %	25-150
Surrogate: M4PFHpA	70.9 %	25-150
Surrogate: M3PFHxS	86.1 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	92.1 %	25-150
Surrogate: M6PFDA	66.2 %	25-150
Surrogate: M7PFUdA	61.1 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	58.6 %	25-150
Surrogate: M2PFTeDA	52.0 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	101 %	25-150



Sample Information

Client Sample ID: 084_LSB-24C

York Sample ID: 21D0750-03

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:45 am	<u>Date Received</u> 04/15/2021
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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
	Surrogate: Perfluoro-1-[13C8]octanesulfor	67.3 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	96.1 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	45.5 %			10-150					
	Surrogate: d3-N-MeFOSAA	75.2 %			25-150					
	Surrogate: d5-N-EtFOSAA	80.8 %			25-150					
	Surrogate: M2-6:2 FTS	164 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	156 %	PFSu-H		25-150					
	Surrogate: M9PFNA	73.2 %			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	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:54	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:54	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:54	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:54	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:54	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/16/2021 13:57	04/19/2021 19:54	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:54	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:54	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:54	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:54	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/16/2021 13:57	04/19/2021 19:54	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:54	CM
72-20-8	Endrin	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:54	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:54	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:54	CM



Sample Information

Client Sample ID: 084_LSB-24C

York Sample ID: 21D0750-03

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:45 am	<u>Date Received</u> 04/15/2021
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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
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:54	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/16/2021 13:57	04/19/2021 19:54	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:54	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:54	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:54	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:54	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	29.4 %	S-GC	30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	44.3 %		30-150						

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 18:24	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 18:24	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 18:24	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 18:24	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 18:24	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 18:24	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 18:24	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications:	04/16/2021 13:57	04/19/2021 18:24	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	40.5 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	16.0 %	S-GC	30-120						

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 084_LSB-24C

York Sample ID: 21D0750-03

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:45 am	<u>Date Received</u> 04/15/2021
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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	0.0238	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:24	04/20/2021 17:13	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0238	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:24	04/20/2021 17:13	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0238	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:24	04/20/2021 17:13	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (.113 %)		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
7429-90-5	Aluminum	9720		mg/kg dry	6.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:24	WJM
7440-36-0	Antimony	ND		mg/kg dry	3.01	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:24	WJM
7440-38-2	Arsenic	3.18		mg/kg dry	1.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:24	WJM
7440-39-3	Barium	120		mg/kg dry	3.01	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:24	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:24	WJM
7440-43-9	Cadmium	ND		mg/kg dry	0.361	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:24	WJM
7440-70-2	Calcium	1780	B	mg/kg dry	6.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:24	WJM
7440-47-3	Chromium	16.1		mg/kg dry	0.602	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:24	WJM
7440-48-4	Cobalt	3.23		mg/kg dry	0.481	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:24	WJM
7440-50-8	Copper	20.1		mg/kg dry	2.41	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:24	WJM
7439-89-6	Iron	10500		mg/kg dry	30.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:24	WJM
7439-92-1	Lead	71.1		mg/kg dry	0.602	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:24	WJM
7439-95-4	Magnesium	1720		mg/kg dry	6.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:24	WJM
7439-96-5	Manganese	94.8		mg/kg dry	0.602	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:24	WJM
7440-02-0	Nickel	14.4		mg/kg dry	1.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:24	WJM



Sample Information

Client Sample ID: 084_LSB-24C

York Sample ID: 21D0750-03

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:45 am	<u>Date Received</u> 04/15/2021
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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
7440-09-7	Potassium	706	B	mg/kg dry	6.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:24	WJM
7782-49-2	Selenium	ND		mg/kg dry	3.01	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:24	WJM
7440-22-4	Silver	ND		mg/kg dry	0.602	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:24	WJM
7440-23-5	Sodium	148		mg/kg dry	60.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:24	WJM
7440-28-0	Thallium	ND		mg/kg dry	3.01	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:24	WJM
7440-62-2	Vanadium	19.3		mg/kg dry	1.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:24	WJM
7440-66-6	Zinc	116		mg/kg dry	3.01	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:24	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	0.0721		mg/kg dry	0.0361	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/19/2021 14:12	04/19/2021 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	0.602	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	04/16/2021 08:36	04/16/2021 15:37	ALH

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	0.0120	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/23/2021 09:02	04/23/2021 16:43	ALH

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	83.1		%	0.100	1	SM 2540G Certifications: CTDOH	04/19/2021 08:05	04/19/2021 12:09	SK



Sample Information

Client Sample ID: 084_LSB-24C

York Sample ID: 21D0750-03

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0750	100688801	Soil	April 15, 2021 8:45 am	04/15/2021



Sample Information

Client Sample ID: 085_LSB-27A

York Sample ID: 21D0750-04

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:55 am	<u>Date Received</u> 04/15/2021
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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	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
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	04/21/2021 06:47	04/21/2021 13:25	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
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	04/21/2021 06:47	04/21/2021 13:25	KHA
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	04/21/2021 06:47	04/21/2021 13:25	KHA
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	04/21/2021 06:47	04/21/2021 13:25	KHA
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	04/21/2021 06:47	04/21/2021 13:25	KHA
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2021 06:47	04/21/2021 13:25	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
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	04/21/2021 06:47	04/21/2021 13:25	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
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	04/21/2021 06:47	04/21/2021 13:25	KHA
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	04/21/2021 06:47	04/21/2021 13:25	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA



Sample Information

Client Sample ID: 085_LSB-27A

York Sample ID: 21D0750-04

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:55 am	<u>Date Received</u> 04/15/2021
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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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.041	0.082	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2021 06:47	04/21/2021 13:25	KHA
78-93-3	2-Butanone	0.0075		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
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	04/21/2021 06:47	04/21/2021 13:25	KHA
67-64-1	Acetone	0.031	CCV-E	mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
108-86-1	Bromobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA



Sample Information

Client Sample ID: 085_LSB-27A

York Sample ID: 21D0750-04

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:55 am	<u>Date Received</u> 04/15/2021
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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
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	04/21/2021 06:47	04/21/2021 13:25	KHA
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	04/21/2021 06:47	04/21/2021 13:25	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
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	04/21/2021 06:47	04/21/2021 13:25	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA



Sample Information

Client Sample ID: 085_LSB-27A

York Sample ID: 21D0750-04

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:55 am	<u>Date Received</u> 04/15/2021
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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
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
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	04/21/2021 06:47	04/21/2021 13:25	KHA
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	04/21/2021 06:47	04/21/2021 13:25	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:25	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0061	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2021 06:47	04/21/2021 13:25	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	100 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	105 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %			76-130						

Semivolatiles, 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	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH



Sample Information

Client Sample ID: 085_LSB-27A

York Sample ID: 21D0750-04

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:55 am	<u>Date Received</u> 04/15/2021
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
91-57-6	2-Methylnaphthalene	0.0542	J	mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH



Sample Information

Client Sample ID: 085_LSB-27A

York Sample ID: 21D0750-04

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:55 am	<u>Date Received</u> 04/15/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
208-96-8	Acenaphthylene	0.0593	J	mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
62-53-3	Aniline	ND		mg/kg dry	0.181	0.362	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
120-12-7	Anthracene	0.124		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
92-87-5	Benzidine	ND		mg/kg dry	0.181	0.362	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
56-55-3	Benzo(a)anthracene	0.438		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
50-32-8	Benzo(a)pyrene	0.565		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
205-99-2	Benzo(b)fluoranthene	0.429		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
191-24-2	Benzo(g,h,i)perylene	0.311		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
207-08-9	Benzo(k)fluoranthene	0.387		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH



Sample Information

Client Sample ID: 085_LSB-27A

York Sample ID: 21D0750-04

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:55 am	<u>Date Received</u> 04/15/2021
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Semivolatiles, 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
86-74-8	Carbazole	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
218-01-9	Chrysen	0.424		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
53-70-3	Dibenzo(a,h)anthracene	0.103		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
117-84-0	Di-n-octyl phthalate	0.0470	J	mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
206-44-0	Fluoranthene	0.748		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.317		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
91-20-3	Naphthalene	0.122		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH



Sample Information

Client Sample ID: 085_LSB-27A

York Sample ID: 21D0750-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0750

100688801

Soil

April 15, 2021 8:55 am

04/15/2021

Semivolatiles, 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
85-01-8	Phenanthrene	0.422		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
108-95-2	Phenol	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
129-00-0	Pyrene	0.700		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
110-86-1	Pyridine	ND		mg/kg dry	0.181	0.362	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 17:31	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	71.3 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	65.8 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	97.9 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	72.2 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	92.4 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	83.4 %			24-116						

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	04/21/2021 07:28	04/21/2021 17:26	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	0.514	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:29	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:29	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:29	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:29	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:29	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:29	WL



Sample Information

Client Sample ID: 085_LSB-27A

York Sample ID: 21D0750-04

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:55 am	<u>Date Received</u> 04/15/2021
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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
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:29	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:29	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:29	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:29	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:29	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:29	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:29	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:29	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:29	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:29	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:29	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:29	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:29	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:29	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:29	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	89.1 %	25-150
Surrogate: M5PFHxA	90.0 %	25-150
Surrogate: M4PFHpA	68.3 %	25-150
Surrogate: M3PFHxS	82.8 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	93.6 %	25-150
Surrogate: M6PFDA	80.2 %	25-150
Surrogate: M7PFUdA	78.3 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	65.8 %	25-150
Surrogate: M2PFTeDA	47.7 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	96.9 %	25-150



Sample Information

Client Sample ID: 085_LSB-27A

York Sample ID: 21D0750-04

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:55 am	<u>Date Received</u> 04/15/2021
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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
	Surrogate: Perfluoro-1-[13C8]octanesulfor	71.2 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	91.6 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	45.6 %			10-150					
	Surrogate: d3-N-MeFOSAA	108 %			25-150					
	Surrogate: d5-N-EtFOSAA	114 %			25-150					
	Surrogate: M2-6:2 FTS	214 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	287 %	PFSu-H		25-150					
	Surrogate: M9PFNA	85.7 %			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	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:01	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:01	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:01	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:01	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:01	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/16/2021 13:57	04/20/2021 08:01	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:01	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:01	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:01	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:01	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/16/2021 13:57	04/20/2021 08:01	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:01	CM
72-20-8	Endrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:01	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:01	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:01	CM



Sample Information

Client Sample ID: 085_LSB-27A

York Sample ID: 21D0750-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0750

100688801

Soil

April 15, 2021 8:55 am

04/15/2021

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
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:01	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/16/2021 13:57	04/20/2021 08:01	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:01	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:01	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:01	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:01	CM
	Surrogate Recoveries	Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	49.0 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	49.7 %					30-150			

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 18:38	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 18:38	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 18:38	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 18:38	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 18:38	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 18:38	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 18:38	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications:	04/16/2021 13:57	04/19/2021 18:38	BJ
	Surrogate Recoveries	Result					Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	61.0 %					30-120			
2051-24-3	Surrogate: Decachlorobiphenyl	38.5 %					30-120			

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

120 RESEARCH DRIVE

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Sample Information

Client Sample ID: 085_LSB-27A

York Sample ID: 21D0750-04

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:55 am	<u>Date Received</u> 04/15/2021
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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	0.0218	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:24	04/20/2021 17:24	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0218	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:24	04/20/2021 17:24	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0218	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:24	04/20/2021 17:24	BJ

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	97.4 %	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
7429-90-5	Aluminum	7100		mg/kg dry	5.50	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:27	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:27	WJM
7440-38-2	Arsenic	6.69		mg/kg dry	1.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:27	WJM
7440-39-3	Barium	491		mg/kg dry	2.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:27	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:27	WJM
7440-43-9	Cadmium	1.37		mg/kg dry	0.330	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:27	WJM
7440-70-2	Calcium	14200	B	mg/kg dry	5.50	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:27	WJM
7440-47-3	Chromium	28.4		mg/kg dry	0.550	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:27	WJM
7440-48-4	Cobalt	7.08		mg/kg dry	0.440	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:27	WJM
7440-50-8	Copper	143		mg/kg dry	2.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:27	WJM
7439-89-6	Iron	24900		mg/kg dry	27.5	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:27	WJM
7439-92-1	Lead	544		mg/kg dry	0.550	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:27	WJM
7439-95-4	Magnesium	4130		mg/kg dry	5.50	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:27	WJM
7439-96-5	Manganese	234		mg/kg dry	0.550	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:27	WJM
7440-02-0	Nickel	24.3		mg/kg dry	1.10	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:27	WJM



Sample Information

Client Sample ID: 085_LSB-27A

York Sample ID: 21D0750-04

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 8:55 am	<u>Date Received</u> 04/15/2021
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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
7440-09-7	Potassium	1060	B	mg/kg dry	5.50	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:27	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:27	WJM
7440-22-4	Silver	ND		mg/kg dry	0.550	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:27	WJM
7440-23-5	Sodium	471		mg/kg dry	55.0	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:27	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:27	WJM
7440-62-2	Vanadium	34.7		mg/kg dry	1.10	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:27	WJM
7440-66-6	Zinc	448		mg/kg dry	2.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:27	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	0.644		mg/kg dry	0.0330	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/19/2021 14:12	04/19/2021 16:36	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	0.550	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	04/16/2021 08:36	04/16/2021 15:37	ALH

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	0.0110	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/23/2021 09:02	04/23/2021 16:43	ALH

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	91.0		%	0.100	1	SM 2540G Certifications: CTDOH	04/19/2021 08:05	04/19/2021 12:09	SK



Sample Information

Client Sample ID: 085_LSB-27A

York Sample ID: 21D0750-04

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0750	100688801	Soil	April 15, 2021 8:55 am	04/15/2021



Sample Information

Client Sample ID: 086_DUP-4

York Sample ID: 21D0750-05

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 9:00 am	<u>Date Received</u> 04/15/2021
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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	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2021 06:47	04/21/2021 13:50	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2021 06:47	04/21/2021 13:50	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA



Sample Information

Client Sample ID: 086_DUP-4

York Sample ID: 21D0750-05

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 9:00 am	<u>Date Received</u> 04/15/2021
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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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.040	0.079	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2021 06:47	04/21/2021 13:50	KHA
78-93-3	2-Butanone	0.0079		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
67-64-1	Acetone	0.032	CCV-E	mg/kg dry	0.0040	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
108-86-1	Bromobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA



Sample Information

Client Sample ID: 086_DUP-4

York Sample ID: 21D0750-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0750

100688801

Soil

April 15, 2021 9:00 am

04/15/2021

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
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA



Sample Information

Client Sample ID: 086_DUP-4

York Sample ID: 21D0750-05

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 9:00 am	<u>Date Received</u> 04/15/2021
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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
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 13:50	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2021 06:47	04/21/2021 13:50	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.8 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	105 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	100 %			76-130						

Semivolatiles, 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	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH



Sample Information

Client Sample ID: 086_DUP-4

York Sample ID: 21D0750-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0750

100688801

Soil

April 15, 2021 9:00 am

04/15/2021

Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH



Sample Information

Client Sample ID: 086_DUP-4

York Sample ID: 21D0750-05

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 9:00 am	<u>Date Received</u> 04/15/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
83-32-9	Acenaphthene	0.0735	J	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
208-96-8	Acenaphthylene	0.0799	J	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
62-53-3	Aniline	ND		mg/kg dry	0.177	0.354	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
120-12-7	Anthracene	0.170		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
92-87-5	Benzidine	ND		mg/kg dry	0.177	0.354	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
56-55-3	Benzo(a)anthracene	0.546		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
50-32-8	Benzo(a)pyrene	0.667		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
205-99-2	Benzo(b)fluoranthene	0.542		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
191-24-2	Benzo(g,h,i)perylene	0.375		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
207-08-9	Benzo(k)fluoranthene	0.521		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.0594	J	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH



Sample Information

Client Sample ID: 086_DUP-4

York Sample ID: 21D0750-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0750

100688801

Soil

April 15, 2021 9:00 am

04/15/2021

Semivolatiles, 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
86-74-8	Carbazole	0.0481	J	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
218-01-9	Chrysene	0.543		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
53-70-3	Dibenzo(a,h)anthracene	0.125		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
206-44-0	Fluoranthene	0.945		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
86-73-7	Fluorene	0.0806	J	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.385		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
91-20-3	Naphthalene	0.0672	J	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH



Sample Information

Client Sample ID: 086_DUP-4

York Sample ID: 21D0750-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0750

100688801

Soil

April 15, 2021 9:00 am

04/15/2021

Semivolatiles, 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
85-01-8	Phenanthrene	0.566		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
108-95-2	Phenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
129-00-0	Pyrene	0.870		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
110-86-1	Pyridine	ND		mg/kg dry	0.177	0.354	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:01	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	48.2 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	45.8 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	64.2 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	54.2 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	65.4 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	64.6 %			24-116						

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	04/21/2021 07:28	04/21/2021 17:44	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	0.509	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:51	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.509	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:51	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.509	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:51	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.509	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:51	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.509	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:51	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.509	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:51	WL



Sample Information

Client Sample ID: 086_DUP-4

York Sample ID: 21D0750-05

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 9:00 am	<u>Date Received</u> 04/15/2021
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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
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.509	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:51	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.509	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:51	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.509	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:51	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.509	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:51	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.509	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:51	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.509	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:51	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.509	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:51	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.509	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:51	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.509	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:51	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.509	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:51	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.509	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:51	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.509	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:51	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.509	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:51	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.509	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:51	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.509	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 17:51	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	96.1 %	25-150
Surrogate: M5PFHxA	99.6 %	25-150
Surrogate: M4PFHpA	77.2 %	25-150
Surrogate: M3PFHxS	95.2 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid	105 %	25-150
Surrogate: M6PFDA	93.8 %	25-150
Surrogate: M7PFUdA	86.6 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	74.7 %	25-150
Surrogate: M2PFTeDA	57.6 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid	105 %	25-150



Sample Information

Client Sample ID: 086_DUP-4

York Sample ID: 21D0750-05

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 9:00 am	<u>Date Received</u> 04/15/2021
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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
	Surrogate: Perfluoro-1-[13C8]octanesulfor	89.5 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	101 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	55.6 %			10-150					
	Surrogate: d3-N-MeFOSAA	122 %			25-150					
	Surrogate: d5-N-EtFOSAA	133 %			25-150					
	Surrogate: M2-6:2 FTS	237 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	281 %	PFSu-H		25-150					
	Surrogate: M9PFNA	99.4 %			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	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:18	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:18	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:18	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:18	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:18	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/16/2021 13:57	04/20/2021 08:18	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:18	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:18	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:18	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:18	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/16/2021 13:57	04/20/2021 08:18	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:18	CM
72-20-8	Endrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:18	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:18	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:18	CM



Sample Information

Client Sample ID: 086_DUP-4

York Sample ID: 21D0750-05

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 9:00 am	<u>Date Received</u> 04/15/2021
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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
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:18	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/16/2021 13:57	04/20/2021 08:18	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:18	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:18	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:18	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:18	CM
	Surrogate Recoveries	Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	53.9 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	41.6 %					30-150			

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 18:51	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 18:51	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 18:51	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 18:51	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 18:51	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 18:51	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 18:51	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	04/16/2021 13:57	04/19/2021 18:51	BJ
	Surrogate Recoveries	Result					Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	63.0 %					30-120			
2051-24-3	Surrogate: Decachlorobiphenyl	42.5 %					30-120			

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 086_DUP-4

York Sample ID: 21D0750-05

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 9:00 am	<u>Date Received</u> 04/15/2021
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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	04/20/2021 07:24	04/20/2021 17:35	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0213	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:24	04/20/2021 17:35	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0213	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:24	04/20/2021 17:35	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	99.2 %	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
7429-90-5	Aluminum	6870		mg/kg dry	5.37	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:30	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:30	WJM
7440-38-2	Arsenic	6.70		mg/kg dry	1.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:30	WJM
7440-39-3	Barium	465		mg/kg dry	2.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:30	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.054	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:30	WJM
7440-43-9	Cadmium	1.27		mg/kg dry	0.322	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:30	WJM
7440-70-2	Calcium	10200	B	mg/kg dry	5.37	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:30	WJM
7440-47-3	Chromium	29.7		mg/kg dry	0.537	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:30	WJM
7440-48-4	Cobalt	6.25		mg/kg dry	0.430	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:30	WJM
7440-50-8	Copper	173		mg/kg dry	2.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:30	WJM
7439-89-6	Iron	18700		mg/kg dry	26.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:30	WJM
7439-92-1	Lead	483		mg/kg dry	0.537	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:30	WJM
7439-95-4	Magnesium	3230		mg/kg dry	5.37	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:30	WJM
7439-96-5	Manganese	200		mg/kg dry	0.537	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:30	WJM
7440-02-0	Nickel	22.7		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:30	WJM



Sample Information

Client Sample ID: 086_DUP-4

York Sample ID: 21D0750-05

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 9:00 am	<u>Date Received</u> 04/15/2021
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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
7440-09-7	Potassium	708	B	mg/kg dry	5.37	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:30	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:30	WJM
7440-22-4	Silver	1.20		mg/kg dry	0.537	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:30	WJM
7440-23-5	Sodium	611		mg/kg dry	53.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:30	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:30	WJM
7440-62-2	Vanadium	25.0		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:30	WJM
7440-66-6	Zinc	470		mg/kg dry	2.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:30	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	0.616		mg/kg dry	0.0322	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/19/2021 14:12	04/19/2021 16:45	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	0.537	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	04/16/2021 08:36	04/16/2021 15:37	ALH

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	0.0107	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/23/2021 09:02	04/23/2021 16:43	ALH

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	93.1		%	0.100	1	SM 2540G Certifications: CTDOH	04/19/2021 08:05	04/19/2021 12:09	SK



Sample Information

Client Sample ID: 086_DUP-4

York Sample ID: 21D0750-05

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0750	100688801	Soil	April 15, 2021 9:00 am	04/15/2021



Sample Information

Client Sample ID: 087_LSB-27B

York Sample ID: 21D0750-06

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 9:45 am	<u>Date Received</u> 04/15/2021
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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	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
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	04/21/2021 06:47	04/21/2021 14:16	KHA
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	04/21/2021 06:47	04/21/2021 14:16	KHA
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	04/21/2021 06:47	04/21/2021 14:16	KHA
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	04/21/2021 06:47	04/21/2021 14:16	KHA
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	04/21/2021 06:47	04/21/2021 14:16	KHA
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	04/21/2021 06:47	04/21/2021 14:16	KHA
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
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	04/21/2021 06:47	04/21/2021 14:16	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2021 06:47	04/21/2021 14:16	KHA
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	04/21/2021 06:47	04/21/2021 14:16	KHA
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	04/21/2021 06:47	04/21/2021 14:16	KHA
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	04/21/2021 06:47	04/21/2021 14:16	KHA
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	04/21/2021 06:47	04/21/2021 14:16	KHA
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	04/21/2021 06:47	04/21/2021 14:16	KHA
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	04/21/2021 06:47	04/21/2021 14:16	KHA
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	04/21/2021 06:47	04/21/2021 14:16	KHA
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	04/21/2021 06:47	04/21/2021 14:16	KHA
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	04/21/2021 06:47	04/21/2021 14:16	KHA
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
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	04/21/2021 06:47	04/21/2021 14:16	KHA



Sample Information

Client Sample ID: 087_LSB-27B

York Sample ID: 21D0750-06

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 9:45 am	<u>Date Received</u> 04/15/2021
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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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.048	0.097	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2021 06:47	04/21/2021 14:16	KHA
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
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	04/21/2021 06:47	04/21/2021 14:16	KHA
67-64-1	Acetone	ND		mg/kg dry	0.0048	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0048	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
108-86-1	Bromobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA



Sample Information

Client Sample ID: 087_LSB-27B

York Sample ID: 21D0750-06

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 9:45 am	<u>Date Received</u> 04/15/2021
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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
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	04/21/2021 06:47	04/21/2021 14:16	KHA
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	04/21/2021 06:47	04/21/2021 14:16	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
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	04/21/2021 06:47	04/21/2021 14:16	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
75-09-2	Methylene chloride	0.0071	J	mg/kg dry	0.0048	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA



Sample Information

Client Sample ID: 087_LSB-27B

York Sample ID: 21D0750-06

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 9:45 am	<u>Date Received</u> 04/15/2021
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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
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
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	04/21/2021 06:47	04/21/2021 14:16	KHA
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	04/21/2021 06:47	04/21/2021 14:16	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:16	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0073	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2021 06:47	04/21/2021 14:16	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.2 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	105 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.0 %			76-130						

Semivolatiles, 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	0.0535	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.107	0.213	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.107	0.213	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH



Sample Information

Client Sample ID: 087_LSB-27B

York Sample ID: 21D0750-06

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 9:45 am	<u>Date Received</u> 04/15/2021
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.107	0.213	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.107	0.213	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.107	0.213	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.107	0.213	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.107	0.213	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH



Sample Information

Client Sample ID: 087_LSB-27B

York Sample ID: 21D0750-06

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 9:45 am	<u>Date Received</u> 04/15/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.107	0.213	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
62-53-3	Aniline	ND		mg/kg dry	0.214	0.428	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
120-12-7	Anthracene	0.0982	J	mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
92-87-5	Benzidine	ND		mg/kg dry	0.214	0.428	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
56-55-3	Benzo(a)anthracene	0.454		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
50-32-8	Benzo(a)pyrene	0.665		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
205-99-2	Benzo(b)fluoranthene	0.530		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
191-24-2	Benzo(g,h,i)perylene	0.334		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
207-08-9	Benzo(k)fluoranthene	0.480		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.107	0.213	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH



Sample Information

Client Sample ID: 087_LSB-27B

York Sample ID: 21D0750-06

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 9:45 am	<u>Date Received</u> 04/15/2021
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Semivolatiles, 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
86-74-8	Carbazole	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
218-01-9	Chrysen	0.444		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
53-70-3	Dibenzo(a,h)anthracene	0.114		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
206-44-0	Fluoranthene	0.762		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.342		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH



Sample Information

Client Sample ID: 087_LSB-27B

York Sample ID: 21D0750-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0750

100688801

Soil

April 15, 2021 9:45 am

04/15/2021

Semivolatiles, 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
85-01-8	Phenanthrene	0.334		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
108-95-2	Phenol	ND		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
129-00-0	Pyrene	0.680		mg/kg dry	0.0535	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
110-86-1	Pyridine	ND		mg/kg dry	0.214	0.428	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 18:31	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	61.0 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	56.6 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	71.9 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	66.4 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	82.2 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	79.0 %			24-116						

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	04/21/2021 07:28	04/21/2021 18:36	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	0.625	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:36	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.625	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:36	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.625	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:36	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.625	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:36	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	1.03		ug/kg dry	0.625	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:36	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.625	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:36	WL



Sample Information

Client Sample ID: 087_LSB-27B

York Sample ID: 21D0750-06

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 9:45 am	<u>Date Received</u> 04/15/2021
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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
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.625	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:36	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.625	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:36	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.625	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:36	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.625	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:36	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.625	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:36	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.625	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:36	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.625	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:36	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.625	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:36	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.625	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:36	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.625	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:36	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.625	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:36	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.625	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:36	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.625	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:36	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.625	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:36	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.625	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:36	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	97.3 %	25-150
Surrogate: M5PFHxA	106 %	25-150
Surrogate: M4PFHpA	69.8 %	25-150
Surrogate: M3PFHxS	94.9 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid	105 %	25-150
Surrogate: M6PFDA	82.3 %	25-150
Surrogate: M7PFUdA	75.9 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	62.6 %	25-150
Surrogate: M2PFTeDA	49.3 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid	109 %	25-150



Sample Information

Client Sample ID: 087_LSB-27B

York Sample ID: 21D0750-06

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 9:45 am	<u>Date Received</u> 04/15/2021
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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
	Surrogate: Perfluoro-1-[13C8]octanesulfor	87.6 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	104 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	47.8 %			10-150					
	Surrogate: d3-N-MeFOSAA	97.9 %			25-150					
	Surrogate: d5-N-EtFOSAA	113 %			25-150					
	Surrogate: M2-6:2 FTS	264 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	273 %	PFSu-H		25-150					
	Surrogate: M9PFNA	89.8 %			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	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:35	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:35	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:35	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:35	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:35	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/16/2021 13:57	04/20/2021 08:35	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:35	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:35	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:35	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:35	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/16/2021 13:57	04/20/2021 08:35	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:35	CM
72-20-8	Endrin	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:35	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:35	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:35	CM



Sample Information

Client Sample ID: 087_LSB-27B

York Sample ID: 21D0750-06

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 9:45 am	<u>Date Received</u> 04/15/2021
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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
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:35	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/16/2021 13:57	04/20/2021 08:35	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:35	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:35	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:35	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:35	CM
	Surrogate Recoveries	Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	46.4 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	42.7 %					30-150			

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0213	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:19	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0213	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:19	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0213	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:19	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0213	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:19	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0213	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:19	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0213	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:19	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0213	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:19	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0213	1	EPA 8082A Certifications:	04/16/2021 13:57	04/19/2021 19:19	BJ
	Surrogate Recoveries	Result					Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	57.5 %					30-120			
2051-24-3	Surrogate: Decachlorobiphenyl	34.5 %					30-120			

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 087_LSB-27B

York Sample ID: 21D0750-06

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 9:45 am	<u>Date Received</u> 04/15/2021
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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	04/20/2021 07:24	04/20/2021 17:46	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0259	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:24	04/20/2021 17:46	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0259	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:24	04/20/2021 17:46	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
7429-90-5	Aluminum	3810		mg/kg dry	6.49	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:32	WJM
7440-36-0	Antimony	ND		mg/kg dry	3.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:32	WJM
7440-38-2	Arsenic	4.27		mg/kg dry	1.95	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:32	WJM
7440-39-3	Barium	170		mg/kg dry	3.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:32	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.065	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:32	WJM
7440-43-9	Cadmium	0.689		mg/kg dry	0.389	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:32	WJM
7440-70-2	Calcium	88300	B	mg/kg dry	6.49	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:32	WJM
7440-47-3	Chromium	13.3		mg/kg dry	0.649	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:32	WJM
7440-48-4	Cobalt	4.14		mg/kg dry	0.519	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:32	WJM
7440-50-8	Copper	263		mg/kg dry	2.60	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:32	WJM
7439-89-6	Iron	19500		mg/kg dry	32.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:32	WJM
7439-92-1	Lead	214		mg/kg dry	0.649	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:32	WJM
7439-95-4	Magnesium	49300		mg/kg dry	6.49	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:32	WJM
7439-96-5	Manganese	201		mg/kg dry	0.649	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:32	WJM
7440-02-0	Nickel	12.8		mg/kg dry	1.30	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:32	WJM



Sample Information

Client Sample ID: 087_LSB-27B

York Sample ID: 21D0750-06

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 9:45 am	<u>Date Received</u> 04/15/2021
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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
7440-09-7	Potassium	647	B	mg/kg dry	6.49	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:32	WJM
7782-49-2	Selenium	5.24		mg/kg dry	3.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:32	WJM
7440-22-4	Silver	ND		mg/kg dry	0.649	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:32	WJM
7440-23-5	Sodium	213		mg/kg dry	64.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:32	WJM
7440-28-0	Thallium	ND		mg/kg dry	3.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:32	WJM
7440-62-2	Vanadium	22.6		mg/kg dry	1.30	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:32	WJM
7440-66-6	Zinc	732		mg/kg dry	3.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:32	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	0.467		mg/kg dry	0.0389	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/19/2021 14:12	04/19/2021 16:54	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	0.649	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	04/16/2021 08:36	04/16/2021 15:37	ALH

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	0.0130	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/23/2021 09:02	04/23/2021 16:43	ALH

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	77.1		%	0.100	1	SM 2540G Certifications: CTDOH	04/19/2021 08:05	04/19/2021 12:09	SK



Sample Information

Client Sample ID: 087_LSB-27B

York Sample ID: 21D0750-06

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0750	100688801	Soil	April 15, 2021 9:45 am	04/15/2021



Sample Information

Client Sample ID: 088_LSB-27C

York Sample ID: 21D0750-07

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 10:00 am	<u>Date Received</u> 04/15/2021
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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	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2021 06:47	04/21/2021 14:42	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2021 06:47	04/21/2021 14:42	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA



Sample Information

Client Sample ID: 088_LSB-27C

York Sample ID: 21D0750-07

York Project (SDG) No.
21D0750

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
April 15, 2021 10:00 am

Date Received
04/15/2021

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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.042	0.084	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2021 06:47	04/21/2021 14:42	KHA
78-93-3	2-Butanone	0.0047		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
67-64-1	Acetone	0.022	CCV-E	mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
108-86-1	Bromobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA



Sample Information

Client Sample ID: 088_LSB-27C

York Sample ID: 21D0750-07

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 10:00 am	<u>Date Received</u> 04/15/2021
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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
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA



Sample Information

Client Sample ID: 088_LSB-27C

York Sample ID: 21D0750-07

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 10:00 am	<u>Date Received</u> 04/15/2021
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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
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2021 06:47	04/21/2021 14:42	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2021 06:47	04/21/2021 14:42	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	106 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	100 %			76-130						

Semivolatiles, 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	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH



Sample Information

Client Sample ID: 088_LSB-27C

York Sample ID: 21D0750-07

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 10:00 am	<u>Date Received</u> 04/15/2021
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH



Sample Information

Client Sample ID: 088_LSB-27C

York Sample ID: 21D0750-07

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 10:00 am	<u>Date Received</u> 04/15/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
62-53-3	Aniline	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
120-12-7	Anthracene	0.0558	J	mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
92-87-5	Benzidine	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
56-55-3	Benzo(a)anthracene	0.171		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
50-32-8	Benzo(a)pyrene	0.184		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
205-99-2	Benzo(b)fluoranthene	0.142		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
191-24-2	Benzo(g,h,i)perylene	0.103		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
207-08-9	Benzo(k)fluoranthene	0.145		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
85-68-7	Benzyl butyl phthalate	1.44		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.173		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH



Sample Information

Client Sample ID: 088_LSB-27C

York Sample ID: 21D0750-07

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 10:00 am	<u>Date Received</u> 04/15/2021
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Semivolatiles, 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
86-74-8	Carbazole	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
218-01-9	Chrysen	0.162		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
84-74-2	Di-n-butyl phthalate	0.135		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
206-44-0	Fluoranthene	0.278		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.105		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
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	04/20/2021 07:35	04/21/2021 19:01	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH



Sample Information

Client Sample ID: 088_LSB-27C

York Sample ID: 21D0750-07

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 10:00 am	<u>Date Received</u> 04/15/2021
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Semivolatiles, 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
85-01-8	Phenanthrene	0.193		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
108-95-2	Phenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
129-00-0	Pyrene	0.269		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
110-86-1	Pyridine	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:35	04/21/2021 19:01	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	56.8 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	57.0 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	71.2 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	64.0 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	77.2 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	77.0 %			24-116						

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	04/21/2021 07:28	04/21/2021 18:54	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	0.545	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:58	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.545	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:58	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.545	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:58	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.545	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:58	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.545	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:58	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	0.843		ug/kg dry	0.545	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:58	WL



Sample Information

Client Sample ID: 088_LSB-27C

York Sample ID: 21D0750-07

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 10:00 am	<u>Date Received</u> 04/15/2021
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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
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.545	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:58	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.545	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:58	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.545	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:58	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.545	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:58	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.545	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:58	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.545	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:58	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.545	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:58	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.545	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:58	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.545	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:58	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.545	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:58	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.545	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:58	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.545	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:58	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.545	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:58	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.545	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:58	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.545	1	EPA 537m Certifications:	04/20/2021 10:32	04/21/2021 18:58	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	87.5 %	25-150
Surrogate: M5PFHxA	95.0 %	25-150
Surrogate: M4PFHpA	65.8 %	25-150
Surrogate: M3PFHxS	89.5 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	97.5 %	25-150
Surrogate: M6PFDA	91.2 %	25-150
Surrogate: M7PFUdA	79.7 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	66.2 %	25-150
Surrogate: M2PFTeDA	56.2 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	95.9 %	25-150



Sample Information

Client Sample ID: 088_LSB-27C

York Sample ID: 21D0750-07

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 10:00 am	<u>Date Received</u> 04/15/2021
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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
	Surrogate: Perfluoro-1-[13C8]octanesulfor	80.3 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	94.9 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	59.9 %			10-150					
	Surrogate: d3-N-MeFOSAA	116 %			25-150					
	Surrogate: d5-N-EtFOSAA	123 %			25-150					
	Surrogate: M2-6:2 FTS	213 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	251 %	PFSu-H		25-150					
	Surrogate: M9PFNA	89.8 %			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	04/16/2021 13:57	04/20/2021 08:52	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:52	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:52	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:52	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:52	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/16/2021 13:57	04/20/2021 08:52	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:52	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:52	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:52	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:52	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/16/2021 13:57	04/20/2021 08:52	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:52	CM
72-20-8	Endrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:52	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:52	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:52	CM



Sample Information

Client Sample ID: 088_LSB-27C

York Sample ID: 21D0750-07

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 10:00 am	<u>Date Received</u> 04/15/2021
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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
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:52	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/16/2021 13:57	04/20/2021 08:52	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:52	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:52	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:52	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 13:57	04/20/2021 08:52	CM
	Surrogate Recoveries	Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	43.7 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	40.7 %					30-150			

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:32	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:32	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:32	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:32	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:32	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:32	BJ
11096-82-5	Aroclor 1260	0.0509		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/16/2021 13:57	04/19/2021 19:32	BJ
1336-36-3	* Total PCBs	0.0509		mg/kg dry	0.0185	1	EPA 8082A Certifications:	04/16/2021 13:57	04/19/2021 19:32	BJ
	Surrogate Recoveries	Result					Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	55.0 %					30-120			
2051-24-3	Surrogate: Decachlorobiphenyl	30.5 %					30-120			

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 088_LSB-27C

York Sample ID: 21D0750-07

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 10:00 am	<u>Date Received</u> 04/15/2021
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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	0.0222	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:24	04/20/2021 17:56	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0222	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:24	04/20/2021 17:56	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0222	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2021 07:24	04/20/2021 17:56	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (105 %		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
7429-90-5	Aluminum	6320		mg/kg dry	5.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:35	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:35	WJM
7440-38-2	Arsenic	8.25		mg/kg dry	1.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:35	WJM
7440-39-3	Barium	218		mg/kg dry	2.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:35	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:35	WJM
7440-43-9	Cadmium	1.40		mg/kg dry	0.335	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:35	WJM
7440-70-2	Calcium	13100	B	mg/kg dry	5.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:35	WJM
7440-47-3	Chromium	33.7		mg/kg dry	0.558	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:35	WJM
7440-48-4	Cobalt	8.72		mg/kg dry	0.446	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:35	WJM
7440-50-8	Copper	83.0		mg/kg dry	2.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:35	WJM
7439-89-6	Iron	27300		mg/kg dry	27.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:35	WJM
7439-92-1	Lead	461		mg/kg dry	0.558	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:35	WJM
7439-95-4	Magnesium	4140		mg/kg dry	5.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:35	WJM
7439-96-5	Manganese	268		mg/kg dry	0.558	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:35	WJM
7440-02-0	Nickel	38.6		mg/kg dry	1.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:35	WJM



Sample Information

Client Sample ID: 088_LSB-27C

York Sample ID: 21D0750-07

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 15, 2021 10:00 am	<u>Date Received</u> 04/15/2021
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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
7440-09-7	Potassium	768	B	mg/kg dry	5.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:35	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:35	WJM
7440-22-4	Silver	ND		mg/kg dry	0.558	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:35	WJM
7440-23-5	Sodium	196		mg/kg dry	55.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:35	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:35	WJM
7440-62-2	Vanadium	21.6		mg/kg dry	1.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:35	WJM
7440-66-6	Zinc	711		mg/kg dry	2.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/16/2021 20:01	04/21/2021 15:35	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	0.222		mg/kg dry	0.0335	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/19/2021 14:12	04/19/2021 17:03	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	0.558	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	04/16/2021 08:36	04/16/2021 15:37	ALH

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	0.0112	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/23/2021 09:02	04/23/2021 16:43	ALH

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	89.6		%	0.100	1	SM 2540G Certifications: CTDOH	04/19/2021 08:05	04/19/2021 12:09	SK



Sample Information

Client Sample ID: 088_LSB-27C

York Sample ID: 21D0750-07

York Project (SDG) No.
21D0750

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
April 15, 2021 10:00 am

Date Received
04/15/2021



Sample Information

Client Sample ID: 089_FB-5

York Sample ID: 21D0750-08

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 15, 2021 1:50 pm	<u>Date Received</u> 04/15/2021
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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	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	04/19/2021 07:56	04/19/2021 15:17	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	1.94	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:42	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:42	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:42	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:42	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:42	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:42	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:42	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:42	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:42	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:42	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:42	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:42	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.94	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:42	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.94	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:42	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:42	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:42	WL



Sample Information

Client Sample ID: 089_FB-5

York Sample ID: 21D0750-08

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 15, 2021 1:50 pm	<u>Date Received</u> 04/15/2021
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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	1.94	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:42	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:42	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.84	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:42	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:42	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/21/2021 12:32	04/22/2021 21:42	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	98.0 %	25-150
Surrogate: M5PFHxA	124 %	25-150
Surrogate: M4PFHpA	99.2 %	25-150
Surrogate: M3PFHxS	99.1 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	116 %	25-150
Surrogate: M6PFDA	110 %	25-150
Surrogate: M7PFUDa	100 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	60.6 %	25-150
Surrogate: M2PFTeDA	29.5 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	139 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfo	120 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic a	113 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfo	38.2 %	10-150
Surrogate: d3-N-MeFOSAA	68.8 %	25-150
Surrogate: d5-N-EtFOSAA	75.7 %	25-150
Surrogate: M2-6:2 FTS	115 %	25-150
Surrogate: M2-8:2 FTS	109 %	25-150
Surrogate: M9PFNA	119 %	25-150



Sample Information

Client Sample ID: 090_TB-9

York Sample ID: 21D0750-09

<u>York Project (SDG) No.</u> 21D0750	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 15, 2021 3:05 pm	<u>Date Received</u> 04/15/2021
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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	04/16/2021 06:47	04/16/2021 12:27	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	04/16/2021 06:47	04/16/2021 12:27	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	04/16/2021 06:47	04/16/2021 12:27	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	04/16/2021 06:47	04/16/2021 12:27	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	04/16/2021 06:47	04/16/2021 12:27	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	04/16/2021 06:47	04/16/2021 12:27	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	04/16/2021 06:47	04/16/2021 12:27	MD
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/16/2021 06:47	04/16/2021 12:27	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	04/16/2021 06:47	04/16/2021 12:27	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	04/16/2021 06:47	04/16/2021 12:27	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	04/16/2021 06:47	04/16/2021 12:27	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	04/16/2021 06:47	04/16/2021 12:27	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	04/16/2021 06:47	04/16/2021 12:27	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	04/16/2021 06:47	04/16/2021 12:27	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	04/16/2021 06:47	04/16/2021 12:27	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	04/16/2021 06:47	04/16/2021 12:27	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	04/16/2021 06:47	04/16/2021 12:27	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	04/16/2021 06:47	04/16/2021 12:27	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	04/16/2021 06:47	04/16/2021 12:27	MD
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	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	04/16/2021 06:47	04/16/2021 12:27	MD



Sample Information

Client Sample ID: 090_TB-9

York Sample ID: 21D0750-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0750

100688801

Water

April 15, 2021 3:05 pm

04/15/2021

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
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	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	04/16/2021 06:47	04/16/2021 12:27	MD
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD



Sample Information

Client Sample ID: 090_TB-9

York Sample ID: 21D0750-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0750

100688801

Water

April 15, 2021 3:05 pm

04/15/2021

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
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	04/16/2021 06:47	04/16/2021 12:27	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	04/16/2021 06:47	04/16/2021 12:27	MD
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	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	04/16/2021 06:47	04/16/2021 12:27	MD
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
75-09-2	Methylene chloride	6.91		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	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	04/16/2021 06:47	04/16/2021 12:27	MD
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	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	04/16/2021 06:47	04/16/2021 12:27	MD
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD



Sample Information

Client Sample ID: 090_TB-9

York Sample ID: 21D0750-09

York Project (SDG) No.
21D0750

Client Project ID
100688801

Matrix
Water

Collection Date/Time
April 15, 2021 3:05 pm

Date Received
04/15/2021

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
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	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	04/16/2021 06:47	04/16/2021 12:27	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	04/16/2021 06:47	04/16/2021 12:27	MD
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/16/2021 06:47	04/16/2021 12:27	MD
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/16/2021 06:47	04/16/2021 12:27	MD

Surrogate Recoveries		Result	Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	94.0 %	70-130
2037-26-5	Surrogate: SURR: Toluene-d8	102 %	70-130
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	94.2 %	70-130



Analytical Batch Summary

Batch ID: BD10910 **Preparation Method:** EPA SW846-3060 **Prepared By:** ALH

YORK Sample ID	Client Sample ID	Preparation Date
21D0750-01	082_LSB-24A	04/16/21
21D0750-02	083_LSB-24B	04/16/21
21D0750-03	084_LSB-24C	04/16/21
21D0750-04	085_LSB-27A	04/16/21
21D0750-05	086_DUP-4	04/16/21
21D0750-06	087_LSB-27B	04/16/21
21D0750-07	088_LSB-27C	04/16/21
BD10910-BLK1	Blank	04/16/21
BD10910-DUP1	Duplicate	04/16/21
BD10910-MS1	Matrix Spike	04/16/21
BD10910-MS2	Matrix Spike	04/16/21
BD10910-SRM1	Reference	04/16/21

Batch ID: BD10926 **Preparation Method:** EPA 5030B **Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
21D0750-09	090_TB-9	04/16/21
BD10926-BLK1	Blank	04/16/21
BD10926-BS1	LCS	04/16/21
BD10926-BSD1	LCS Dup	04/16/21

Batch ID: BD10941 **Preparation Method:** EPA 3550C **Prepared By:** SAK

YORK Sample ID	Client Sample ID	Preparation Date
21D0750-01	082_LSB-24A	04/16/21
21D0750-01	082_LSB-24A	04/16/21
21D0750-02	083_LSB-24B	04/16/21
21D0750-02	083_LSB-24B	04/16/21
21D0750-03	084_LSB-24C	04/16/21
21D0750-03	084_LSB-24C	04/16/21
21D0750-04	085_LSB-27A	04/16/21
21D0750-04	085_LSB-27A	04/16/21
21D0750-05	086_DUP-4	04/16/21
21D0750-05	086_DUP-4	04/16/21
21D0750-06	087_LSB-27B	04/16/21
21D0750-06	087_LSB-27B	04/16/21
21D0750-07	088_LSB-27C	04/16/21
21D0750-07	088_LSB-27C	04/16/21
BD10941-BLK1	Blank	04/16/21
BD10941-BLK2	Blank	04/16/21
BD10941-BS1	LCS	04/16/21
BD10941-BS2	LCS	04/16/21
BD10941-MS2	Matrix Spike	04/16/21
BD10941-MSD2	Matrix Spike Dup	04/16/21



Batch ID: BD10954

Preparation Method: EPA 3050B

Prepared By: BR

YORK Sample ID	Client Sample ID	Preparation Date
21D0750-01	082_LSB-24A	04/16/21
21D0750-02	083_LSB-24B	04/16/21
21D0750-03	084_LSB-24C	04/16/21
21D0750-04	085_LSB-27A	04/16/21
21D0750-05	086_DUP-4	04/16/21
21D0750-06	087_LSB-27B	04/16/21
21D0750-07	088_LSB-27C	04/16/21
BD10954-BLK1	Blank	04/16/21
BD10954-DUP1	Duplicate	04/16/21
BD10954-MS1	Matrix Spike	04/16/21
BD10954-PS1	Post Spike	04/16/21
BD10954-SRM1	Reference	04/16/21

Batch ID: BD10959

Preparation Method: EPA 3535A

Prepared By: SJB

YORK Sample ID	Client Sample ID	Preparation Date
21D0750-08	089_FB-5	04/19/21
BD10959-BLK1	Blank	04/19/21
BD10959-BS1	LCS	04/19/21
BD10959-MS1	Matrix Spike	04/19/21
BD10959-MSD1	Matrix Spike Dup	04/19/21

Batch ID: BD10963

Preparation Method: % Solids Prep

Prepared By: SK

YORK Sample ID	Client Sample ID	Preparation Date
21D0750-01	082_LSB-24A	04/19/21
21D0750-02	083_LSB-24B	04/19/21
21D0750-03	084_LSB-24C	04/19/21
21D0750-04	085_LSB-27A	04/19/21
21D0750-05	086_DUP-4	04/19/21
21D0750-06	087_LSB-27B	04/19/21
21D0750-07	088_LSB-27C	04/19/21
BD10963-DUP1	Duplicate	04/19/21

Batch ID: BD11012

Preparation Method: EPA 7473 soil

Prepared By: BR

YORK Sample ID	Client Sample ID	Preparation Date
21D0750-01	082_LSB-24A	04/19/21
21D0750-02	083_LSB-24B	04/19/21
21D0750-03	084_LSB-24C	04/19/21
21D0750-04	085_LSB-27A	04/19/21
21D0750-05	086_DUP-4	04/19/21
21D0750-06	087_LSB-27B	04/19/21
21D0750-07	088_LSB-27C	04/19/21
BD11012-BLK1	Blank	04/19/21



BD11012-DUP1 Duplicate 04/19/21
BD11012-MS1 Matrix Spike 04/19/21
BD11012-SRM1 Reference 04/19/21

Batch ID: BD11030 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21D0750-01	082_LSB-24A	04/20/21
21D0750-02	083_LSB-24B	04/20/21
21D0750-03	084_LSB-24C	04/20/21
21D0750-04	085_LSB-27A	04/20/21
21D0750-05	086_DUP-4	04/20/21
21D0750-06	087_LSB-27B	04/20/21
21D0750-07	088_LSB-27C	04/20/21
BD11030-BLK1	Blank	04/20/21
BD11030-BS1	LCS	04/20/21
BD11030-MS1	Matrix Spike	04/20/21
BD11030-MSD1	Matrix Spike Dup	04/20/21

Batch ID: BD11032 **Preparation Method:** EPA 3546 SVOA **Prepared By:** S_K

YORK Sample ID	Client Sample ID	Preparation Date
21D0750-01	082_LSB-24A	04/20/21
21D0750-02	083_LSB-24B	04/20/21
21D0750-03	084_LSB-24C	04/20/21
21D0750-04	085_LSB-27A	04/20/21
21D0750-05	086_DUP-4	04/20/21
21D0750-06	087_LSB-27B	04/20/21
21D0750-07	088_LSB-27C	04/20/21
BD11032-BLK1	Blank	04/20/21
BD11032-BS1	LCS	04/20/21
BD11032-MS1	Matrix Spike	04/20/21
BD11032-MSD1	Matrix Spike Dup	04/20/21

Batch ID: BD11056 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WL

YORK Sample ID	Client Sample ID	Preparation Date
21D0750-01	082_LSB-24A	04/20/21
21D0750-02	083_LSB-24B	04/20/21
21D0750-03	084_LSB-24C	04/20/21
21D0750-04	085_LSB-27A	04/20/21
21D0750-05	086_DUP-4	04/20/21
21D0750-06	087_LSB-27B	04/20/21
21D0750-07	088_LSB-27C	04/20/21
BD11056-BLK1	Blank	04/20/21
BD11056-BS1	LCS	04/20/21
BD11056-MS1	Matrix Spike	04/20/21
BD11056-MSD1	Matrix Spike Dup	04/20/21



Batch ID: BD11105

Preparation Method: EPA 3550C

Prepared By: SJB

YORK Sample ID	Client Sample ID	Preparation Date
21D0750-01	082_LSB-24A	04/21/21
21D0750-02	083_LSB-24B	04/21/21
21D0750-03	084_LSB-24C	04/21/21
21D0750-04	085_LSB-27A	04/21/21
21D0750-05	086_DUP-4	04/21/21
21D0750-06	087_LSB-27B	04/21/21
21D0750-07	088_LSB-27C	04/21/21
BD11105-BLK1	Blank	04/21/21
BD11105-BS1	LCS	04/21/21
BD11105-MS1	Matrix Spike	04/21/21
BD11105-MSD1	Matrix Spike Dup	04/21/21

Batch ID: BD11137

Preparation Method: EPA 5035A

Prepared By: MD

YORK Sample ID	Client Sample ID	Preparation Date
21D0750-01	082_LSB-24A	04/21/21
21D0750-02	083_LSB-24B	04/21/21
21D0750-03	084_LSB-24C	04/21/21
21D0750-04	085_LSB-27A	04/21/21
21D0750-05	086_DUP-4	04/21/21
21D0750-06	087_LSB-27B	04/21/21
21D0750-07	088_LSB-27C	04/21/21
BD11137-BLK1	Blank	04/21/21
BD11137-BLK2	Blank	04/21/21
BD11137-BS1	LCS	04/21/21
BD11137-BSD1	LCS Dup	04/21/21
BD11137-MS1	Matrix Spike	04/21/21
BD11137-MSD1	Matrix Spike Dup	04/21/21

Batch ID: BD11144

Preparation Method: SPE Ext-PFAS-EPA 537.1M

Prepared By: SG

YORK Sample ID	Client Sample ID	Preparation Date
21D0750-08	089_FB-5	04/21/21
BD11144-BLK1	Blank	04/21/21
BD11144-BS1	LCS	04/21/21
BD11144-BSD1	LCS Dup	04/21/21

Batch ID: BD11288

Preparation Method: Analysis Preparation Soil

Prepared By: ALH

YORK Sample ID	Client Sample ID	Preparation Date
21D0750-01	082_LSB-24A	04/23/21
21D0750-02	083_LSB-24B	04/23/21
21D0750-03	084_LSB-24C	04/23/21
21D0750-04	085_LSB-27A	04/23/21
21D0750-05	086_DUP-4	04/23/21
21D0750-06	087_LSB-27B	04/23/21
21D0750-07	088_LSB-27C	04/23/21



BD11288-BLK1	Blank	04/23/21
BD11288-DUP1	Duplicate	04/23/21
BD11288-MS1	Matrix Spike	04/23/21
BD11288-SRM1	Reference	04/23/21



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
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Batch BD10926 - EPA 5030B

Blank (BD10926-BLK1)

Blank

Prepared & Analyzed: 04/16/2021

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	"								
1,1-Dichloropropylene	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	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	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	"								
Bromobenzene	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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD10926 - EPA 5030B

Blank (BD10926-BLK1)	Blank	Prepared & Analyzed: 04/16/2021									
Hexachlorobutadiene	ND	0.500	ug/L								
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	"								
<hr/>											
Surrogate: SURR: 1,2-Dichloroethane-d4	9.37		"	10.0		93.7	70-130				
Surrogate: SURR: Toluene-d8	10.3		"	10.0		103	70-130				
Surrogate: SURR: p-Bromofluorobenzene	9.91		"	10.0		99.1	70-130				

LCS (BD10926-BS1)	LCS	Prepared & Analyzed: 04/16/2021									
1,1,1,2-Tetrachloroethane	9.77		ug/L	10.0		97.7	82-126				30
1,1,1-Trichloroethane	9.88		"	10.0		98.8	70-130				20
1,1,2,2-Tetrachloroethane	9.19		"	10.0		91.9	70-130				20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.5		"	10.0		135	70-130	High Bias			20
1,1,2-Trichloroethane	8.94		"	10.0		89.4	70-130				20
1,1-Dichloroethane	9.63		"	10.0		96.3	70-130				20
1,1-Dichloroethylene	10.8		"	10.0		108	70-130				20
1,1-Dichloropropylene	10.3		"	10.0		103	83-133				30
1,2,3-Trichlorobenzene	9.51		"	10.0		95.1	70-130				20
1,2,3-Trichloropropane	9.42		"	10.0		94.2	77-128				30
1,2,4-Trichlorobenzene	10.9		"	10.0		109	70-130				20
1,2,4-Trimethylbenzene	11.7		"	10.0		117	82-132				20
1,2-Dibromo-3-chloropropane	8.22		"	10.0		82.2	40-160				20
1,2-Dibromoethane	8.86		"	10.0		88.6	70-130				20
1,2-Dichlorobenzene	10.7		"	10.0		107	70-130				20
1,2-Dichloroethane	8.35		"	10.0		83.5	70-130				20
1,2-Dichloropropane	10.2		"	10.0		102	70-130				20
1,3,5-Trimethylbenzene	12.0		"	10.0		120	80-131				30
1,3-Dichlorobenzene	11.1		"	10.0		111	70-130				20
1,3-Dichloropropane	8.89		"	10.0		88.9	81-125				30
1,4-Dichlorobenzene	11.1		"	10.0		111	70-130				20
1,4-Dioxane	146		"	210		69.5	40-160				20
2,2-Dichloropropane	9.97		"	10.0		99.7	56-150				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 BD10926 - EPA 5030B											
LCS (BD10926-BS1)	LCS	Prepared & Analyzed: 04/16/2021									
2-Butanone	7.07		ug/L	10.0		70.7	40-160				20
2-Chlorotoluene	11.1		"	10.0		111	79-130				30
2-Hexanone	6.80		"	10.0		68.0	40-160				20
4-Chlorotoluene	11.1		"	10.0		111	79-128				30
4-Methyl-2-pentanone	6.64		"	10.0		66.4	40-160				20
Acetone	8.78		"	10.0		87.8	40-160				20
Acrolein	11.6		"	10.0		116	10-153				30
Acrylonitrile	8.34		"	10.0		83.4	51-150				30
Benzene	10.3		"	10.0		103	70-130				20
Bromobenzene	10.3		"	10.0		103	78-129				30
Bromochloromethane	8.81		"	10.0		88.1	70-130				20
Bromodichloromethane	9.24		"	10.0		92.4	70-130				20
Bromoform	8.52		"	10.0		85.2	70-130				20
Bromomethane	8.47		"	10.0		84.7	40-160				20
Carbon disulfide	11.7		"	10.0		117	40-160				20
Carbon tetrachloride	10.1		"	10.0		101	70-130				20
Chlorobenzene	10.4		"	10.0		104	70-130				20
Chloroethane	11.1		"	10.0		111	40-160				20
Chloroform	9.61		"	10.0		96.1	70-130				20
Chloromethane	12.8		"	10.0		128	40-160				20
cis-1,2-Dichloroethylene	9.66		"	10.0		96.6	70-130				20
cis-1,3-Dichloropropylene	8.92		"	10.0		89.2	70-130				20
Cyclohexane	9.74		"	10.0		97.4	70-130				20
Dibromochloromethane	8.96		"	10.0		89.6	70-130				20
Dibromomethane	8.85		"	10.0		88.5	72-134				30
Dichlorodifluoromethane	18.8		"	10.0		188	40-160	High Bias			20
Ethyl Benzene	11.1		"	10.0		111	70-130				20
Hexachlorobutadiene	12.3		"	10.0		123	67-146				30
Isopropylbenzene	12.0		"	10.0		120	70-130				20
Methyl acetate	6.76		"	10.0		67.6	70-130	Low Bias			20
Methyl tert-butyl ether (MTBE)	7.60		"	10.0		76.0	70-130				20
Methylcyclohexane	12.8		"	10.0		128	70-130				20
Methylene chloride	9.45		"	10.0		94.5	70-130				20
n-Butylbenzene	11.4		"	10.0		114	79-132				30
n-Propylbenzene	12.0		"	10.0		120	78-133				30
o-Xylene	10.5		"	10.0		105	70-130				20
p- & m- Xylenes	22.7		"	20.0		113	70-130				20
p-Isopropyltoluene	12.2		"	10.0		122	81-136				30
sec-Butylbenzene	12.8		"	10.0		128	79-137				30
Styrene	10.4		"	10.0		104	70-130				20
tert-Butyl alcohol (TBA)	28.0		"	50.0		56.1	25-162				30
tert-Butylbenzene	10.2		"	10.0		102	77-138				30
Tetrachloroethylene	11.2		"	10.0		112	70-130				20
Toluene	10.8		"	10.0		108	70-130				20
trans-1,2-Dichloroethylene	10.6		"	10.0		106	70-130				20
trans-1,3-Dichloropropylene	8.44		"	10.0		84.4	70-130				20
Trichloroethylene	10.7		"	10.0		107	70-130				20
Trichlorofluoromethane	12.2		"	10.0		122	40-160				20
Vinyl Chloride	12.5		"	10.0		125	70-130				20
Surrogate: SURRE: 1,2-Dichloroethane-d4	8.08		"	10.0		80.8	70-130				
Surrogate: SURRE: Toluene-d8	10.5		"	10.0		105	70-130				



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 BD10926 - EPA 5030B											
LCS (BD10926-BS1)		LCS		Prepared & Analyzed: 04/16/2021							
<i>Surrogate: SURR: p-Bromofluorobenzene</i>											
	9.82		ug/L	10.0		98.2	70-130				
LCS Dup (BD10926-BS1)		LCS Dup		Prepared & Analyzed: 04/16/2021							
1,1,1,2-Tetrachloroethane	10.0		ug/L	10.0	100	82-126			2.73	30	
1,1,1-Trichloroethane	9.58		"	10.0	95.8	70-130			3.08	20	
1,1,2,2-Tetrachloroethane	9.82		"	10.0	98.2	70-130			6.63	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.8		"	10.0	128	70-130			5.79	20	
1,1,2-Trichloroethane	9.82		"	10.0	98.2	70-130			9.38	20	
1,1-Dichloroethane	9.36		"	10.0	93.6	70-130			2.84	20	
1,1-Dichloroethylene	10.3		"	10.0	103	70-130			4.74	20	
1,1-Dichloropropylene	9.97		"	10.0	99.7	83-133			2.96	30	
1,2,3-Trichlorobenzene	10.1		"	10.0	101	70-130			6.21	20	
1,2,3-Trichloropropane	9.71		"	10.0	97.1	77-128			3.03	30	
1,2,4-Trichlorobenzene	10.8		"	10.0	108	70-130			0.644	20	
1,2,4-Trimethylbenzene	10.6		"	10.0	106	82-132			10.0	20	
1,2-Dibromo-3-chloropropane	8.62		"	10.0	86.2	40-160			4.75	20	
1,2-Dibromoethane	9.93		"	10.0	99.3	70-130			11.4	20	
1,2-Dichlorobenzene	10.5		"	10.0	105	70-130			1.98	20	
1,2-Dichloroethane	9.06		"	10.0	90.6	70-130			8.16	20	
1,2-Dichloropropane	10.2		"	10.0	102	70-130			0.0985	20	
1,3,5-Trimethylbenzene	10.7		"	10.0	107	80-131			11.8	30	
1,3-Dichlorobenzene	10.2		"	10.0	102	70-130			8.82	20	
1,3-Dichloropropane	9.72		"	10.0	97.2	81-125			8.92	30	
1,4-Dichlorobenzene	10.1		"	10.0	101	70-130			8.68	20	
1,4-Dioxane	178		"	210	84.7	40-160			19.8	20	
2,2-Dichloropropane	9.69		"	10.0	96.9	56-150			2.85	30	
2-Butanone	8.02		"	10.0	80.2	40-160			12.6	20	
2-Chlorotoluene	9.96		"	10.0	99.6	79-130			10.8	30	
2-Hexanone	8.27		"	10.0	82.7	40-160			19.5	20	
4-Chlorotoluene	10.1		"	10.0	101	79-128			9.64	30	
4-Methyl-2-pentanone	8.60		"	10.0	86.0	40-160			25.7	20	Non-dir.
Acetone	10.2		"	10.0	102	40-160			15.3	20	
Acrolein	13.6		"	10.0	136	10-153			15.1	30	
Acrylonitrile	10.2		"	10.0	102	51-150			20.2	30	
Benzene	10.2		"	10.0	102	70-130			0.978	20	
Bromobenzene	9.78		"	10.0	97.8	78-129			5.37	30	
Bromochloromethane	9.29		"	10.0	92.9	70-130			5.30	20	
Bromodichloromethane	9.40		"	10.0	94.0	70-130			1.72	20	
Bromoform	9.78		"	10.0	97.8	70-130			13.8	20	
Bromomethane	7.95		"	10.0	79.5	40-160			6.33	20	
Carbon disulfide	11.4		"	10.0	114	40-160			2.68	20	
Carbon tetrachloride	9.84		"	10.0	98.4	70-130			3.00	20	
Chlorobenzene	10.4		"	10.0	104	70-130			0.674	20	
Chloroethane	10.7		"	10.0	107	40-160			4.31	20	
Chloroform	9.53		"	10.0	95.3	70-130			0.836	20	
Chloromethane	12.2		"	10.0	122	40-160			4.73	20	
cis-1,2-Dichloroethylene	9.48		"	10.0	94.8	70-130			1.88	20	
cis-1,3-Dichloropropylene	9.31		"	10.0	93.1	70-130			4.28	20	
Cyclohexane	9.42		"	10.0	94.2	70-130			3.34	20	
Dibromochloromethane	9.86		"	10.0	98.6	70-130			9.56	20	
Dibromomethane	9.48		"	10.0	94.8	72-134			6.87	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 BD10926 - EPA 5030B											
LCS Dup (BD10926-BSD1)	LCS Dup						Prepared & Analyzed: 04/16/2021				
Dichlorodifluoromethane	17.6		ug/L	10.0		176	40-160	High Bias	6.55	20	
Ethyl Benzene	10.7		"	10.0		107	70-130		4.12	20	
Hexachlorobutadiene	11.5		"	10.0		115	67-146		6.31	30	
Isopropylbenzene	10.4		"	10.0		104	70-130		13.6	20	
Methyl acetate	8.10		"	10.0		81.0	70-130		18.0	20	
Methyl tert-butyl ether (MTBE)	9.20		"	10.0		92.0	70-130		19.0	20	
Methylcyclohexane	12.1		"	10.0		121	70-130		6.02	20	
Methylene chloride	9.62		"	10.0		96.2	70-130		1.78	20	
n-Butylbenzene	10.7		"	10.0		107	79-132		6.14	30	
n-Propylbenzene	10.6		"	10.0		106	78-133		12.3	30	
o-Xylene	10.4		"	10.0		104	70-130		1.05	20	
p- & m- Xylenes	21.6		"	20.0		108	70-130		5.06	20	
p-Isopropyltoluene	11.1		"	10.0		111	81-136		9.43	30	
sec-Butylbenzene	11.3		"	10.0		113	79-137		12.3	30	
Styrene	10.4		"	10.0		104	70-130		0.769	20	
tert-Butyl alcohol (TBA)	38.9		"	50.0		77.9	25-162		32.5	30	Non-dir.
tert-Butylbenzene	9.03		"	10.0		90.3	77-138		12.2	30	
Tetrachloroethylene	10.6		"	10.0		106	70-130		5.13	20	
Toluene	10.3		"	10.0		103	70-130		5.03	20	
trans-1,2-Dichloroethylene	10.4		"	10.0		104	70-130		2.19	20	
trans-1,3-Dichloropropylene	9.10		"	10.0		91.0	70-130		7.53	20	
Trichloroethylene	10.1		"	10.0		101	70-130		5.75	20	
Trichlorofluoromethane	11.6		"	10.0		116	40-160		4.94	20	
Vinyl Chloride	11.8		"	10.0		118	70-130		5.10	20	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.10</i>		<i>"</i>	<i>10.0</i>		<i>91.0</i>	<i>70-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>70-130</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.37</i>		<i>"</i>	<i>10.0</i>		<i>93.7</i>	<i>70-130</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
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Batch BD11137 - EPA 5035A

Blank (BD11137-BLK1)	Blank										
											Prepared & Analyzed: 04/21/2021
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	"								
1,1-Dichloropropylene	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	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	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	"								
Bromobenzene	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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BD11137 - EPA 5035A

Blank (BD11137-BLK1)	Blank	Prepared & Analyzed: 04/21/2021									
Isopropylbenzene	ND	0.0050	mg/kg wet								
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	"								
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Surrogate: SURR: 1,2-Dichloroethane-d4	47.1		ug/L	50.0		94.1	77-125				
Surrogate: SURR: Toluene-d8	52.6		"	50.0		105	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.7		"	50.0		99.4	76-130				

Blank (BD11137-BLK2)	METHANOL ML BLK	Prepared & Analyzed: 04/21/2021									
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	"								
1,1-Dichloropropylene	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	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	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
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Batch BD11137 - EPA 5035A

Blank (BD11137-BLK2)

METHANOL ML BLK

Prepared & Analyzed: 04/21/2021

2-Chlorotoluene	ND	0.0050	mg/kg wet								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	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	"								
Bromobenzene	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	"								
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

48.6 ug/L

50.0

97.3

77-125

Surrogate: SURRE: Toluene-d8

52.3

50.0

105

85-120



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD11137 - EPA 5035A											
Blank (BD11137-BLK2)		METHANOL ML BLK					Prepared & Analyzed: 04/21/2021				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>											
	49.4		ug/L	50.0		98.7	76-130				
LCS (BD11137-BS1)		LCS					Prepared & Analyzed: 04/21/2021				
1,1,1,2-Tetrachloroethane	46.9		ug/L	50.0		93.8	75-129				30
1,1,1-Trichloroethane	48.3		"	50.0		96.7	70-130				30
1,1,2,2-Tetrachloroethane	56.8		"	50.0		114	70-130				30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	41.7		"	50.0		83.4	70-130				30
1,1,2-Trichloroethane	54.4		"	50.0		109	70-130				30
1,1-Dichloroethane	45.2		"	50.0		90.4	70-130				30
1,1-Dichloroethylene	37.4		"	50.0		74.8	70-130				30
1,1-Dichloropropylene	46.8		"	50.0		93.6	77-127				30
1,2,3-Trichlorobenzene	62.2		"	50.0		124	70-130				30
1,2,3-Trichloropropane	54.9		"	50.0		110	81-126				30
1,2,4-Trichlorobenzene	63.2		"	50.0		126	70-130				30
1,2,4-Trimethylbenzene	54.1		"	50.0		108	84-125				30
1,2-Dibromo-3-chloropropane	52.0		"	50.0		104	40-160				30
1,2-Dibromoethane	56.6		"	50.0		113	70-130				30
1,2-Dichlorobenzene	57.2		"	50.0		114	70-130				30
1,2-Dichloroethane	45.6		"	50.0		91.2	70-130				30
1,2-Dichloropropane	51.4		"	50.0		103	70-130				30
1,3,5-Trimethylbenzene	55.1		"	50.0		110	82-126				30
1,3-Dichlorobenzene	56.1		"	50.0		112	70-130				30
1,3-Dichloropropane	52.0		"	50.0		104	83-123				30
1,4-Dichlorobenzene	56.5		"	50.0		113	70-130				30
1,4-Dioxane	1020		"	1050		97.3	40-160				30
2,2-Dichloropropane	44.6		"	50.0		89.2	67-136				30
2-Butanone	40.5		"	50.0		81.0	40-160				30
2-Chlorotoluene	52.7		"	50.0		105	78-127				30
2-Hexanone	46.3		"	50.0		92.5	40-160				30
4-Chlorotoluene	54.6		"	50.0		109	79-125				30
4-Methyl-2-pentanone	48.7		"	50.0		97.4	40-160				30
Acetone	27.9		"	50.0		55.8	40-160				30
Acrolein	43.9		"	50.0		87.8	10-238				30
Acrylonitrile	47.0		"	50.0		94.0	66-141				30
Benzene	49.1		"	50.0		98.2	70-130				30
Bromobenzene	52.5		"	50.0		105	77-129				30
Bromochloromethane	45.7		"	50.0		91.5	70-130				30
Bromodichloromethane	53.0		"	50.0		106	70-130				30
Bromoform	51.0		"	50.0		102	70-130				30
Bromomethane	44.9		"	50.0		89.7	40-160				30
Carbon disulfide	52.0		"	50.0		104	40-160				30
Carbon tetrachloride	42.5		"	50.0		85.0	70-130				30
Chlorobenzene	53.3		"	50.0		107	70-130				30
Chloroethane	36.1		"	50.0		72.2	51-142				30
Chloroform	49.8		"	50.0		99.6	70-130				30
Chloromethane	35.1		"	50.0		70.1	49-132				30
cis-1,2-Dichloroethylene	47.3		"	50.0		94.5	70-130				30
cis-1,3-Dichloropropylene	45.6		"	50.0		91.2	70-130				30
Cyclohexane	43.7		"	50.0		87.4	70-130				30
Dibromochloromethane	49.6		"	50.0		99.3	70-130				30
Dibromomethane	52.2		"	50.0		104	83-124				30



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD11137 - EPA 5035A

LCS (BD11137-BS1)	LCS	Prepared & Analyzed: 04/21/2021									
Dichlorodifluoromethane	57.9	ug/L	50.0	116	40-160	30					
Ethyl Benzene	50.6	"	50.0	101	70-130	30					
Hexachlorobutadiene	61.6	"	50.0	123	83-133	30					
Isopropylbenzene	53.5	"	50.0	107	70-130	30					
Methyl acetate	39.1	"	50.0	78.2	70-130	30					
Methyl tert-butyl ether (MTBE)	50.1	"	50.0	100	70-130	30					
Methylcyclohexane	48.0	"	50.0	96.1	70-130	30					
Methylene chloride	47.2	"	50.0	94.4	70-130	30					
n-Butylbenzene	50.4	"	50.0	101	80-130	30					
n-Propylbenzene	51.9	"	50.0	104	74-136	30					
o-Xylene	50.8	"	50.0	102	70-130	30					
p- & m- Xylenes	103	"	100	103	70-130	30					
p-Isopropyltoluene	56.0	"	50.0	112	85-125	30					
sec-Butylbenzene	56.3	"	50.0	113	83-125	30					
Styrene	54.5	"	50.0	109	70-130	30					
tert-Butyl alcohol (TBA)	256	"	250	102	70-130	30					
tert-Butylbenzene	54.5	"	50.0	109	80-127	30					
Tetrachloroethylene	52.5	"	50.0	105	70-130	30					
Toluene	51.0	"	50.0	102	70-130	30					
trans-1,2-Dichloroethylene	47.8	"	50.0	95.5	70-130	30					
trans-1,3-Dichloropropylene	45.7	"	50.0	91.4	70-130	30					
Trichloroethylene	52.0	"	50.0	104	70-130	30					
Trichlorofluoromethane	35.2	"	50.0	70.3	40-160	30					
Vinyl Chloride	36.1	"	50.0	72.2	70-130	30					
Surrogate: SURR: 1,2-Dichloroethane-d4	47.3	"	50.0	94.6	77-125						
Surrogate: SURR: Toluene-d8	51.9	"	50.0	104	85-120						
Surrogate: SURR: p-Bromofluorobenzene	48.1	"	50.0	96.3	76-130						



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit							Units	Level	Result	RPD	Limit	Flag
Batch BD11137 - EPA 5035A										
LCS Dup (BD11137-BSD1)	LCS Dup								Prepared & Analyzed: 04/21/2021	
1,1,1,2-Tetrachloroethane	47.5		ug/L	50.0	95.0	75-129			1.31	30
1,1,1-Trichloroethane	48.0		"	50.0	96.0	70-130			0.685	30
1,1,2,2-Tetrachloroethane	56.8		"	50.0	114	70-130			0.0176	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	41.7		"	50.0	83.3	70-130			0.0480	30
1,1,2-Trichloroethane	54.9		"	50.0	110	70-130			0.933	30
1,1-Dichloroethane	45.2		"	50.0	90.4	70-130			0.0442	30
1,1-Dichloroethylene	37.2		"	50.0	74.4	70-130			0.590	30
1,1-Dichloropropylene	46.0		"	50.0	92.1	77-127			1.66	30
1,2,3-Trichlorobenzene	62.8		"	50.0	126	70-130			1.06	30
1,2,3-Trichloropropane	54.0		"	50.0	108	81-126			1.62	30
1,2,4-Trichlorobenzene	63.3		"	50.0	127	70-130			0.142	30
1,2,4-Trimethylbenzene	53.3		"	50.0	107	84-125			1.55	30
1,2-Dibromo-3-chloropropane	52.9		"	50.0	106	40-160			1.70	30
1,2-Dibromoethane	56.8		"	50.0	114	70-130			0.282	30
1,2-Dichlorobenzene	57.3		"	50.0	115	70-130			0.262	30
1,2-Dichloroethane	45.1		"	50.0	90.2	70-130			1.08	30
1,2-Dichloropropane	51.2		"	50.0	102	70-130			0.370	30
1,3,5-Trimethylbenzene	54.1		"	50.0	108	82-126			1.80	30
1,3-Dichlorobenzene	56.0		"	50.0	112	70-130			0.143	30
1,3-Dichloropropane	51.6		"	50.0	103	83-123			0.869	30
1,4-Dichlorobenzene	56.2		"	50.0	112	70-130			0.408	30
1,4-Dioxane	1040		"	1050	99.3	40-160			2.04	30
2,2-Dichloropropane	44.3		"	50.0	88.6	67-136			0.675	30
2-Butanone	42.7		"	50.0	85.5	40-160			5.31	30
2-Chlorotoluene	52.1		"	50.0	104	78-127			1.13	30
2-Hexanone	46.6		"	50.0	93.3	40-160			0.818	30
4-Chlorotoluene	53.9		"	50.0	108	79-125			1.25	30
4-Methyl-2-pentanone	48.5		"	50.0	97.1	40-160			0.329	30
Acetone	28.2		"	50.0	56.4	40-160			1.07	30
Acrolein	46.2		"	50.0	92.4	10-238			5.06	30
Acrylonitrile	49.0		"	50.0	98.0	66-141			4.08	30
Benzene	48.6		"	50.0	97.3	70-130			0.941	30
Bromobenzene	51.9		"	50.0	104	77-129			1.21	30
Bromochloromethane	45.9		"	50.0	91.8	70-130			0.349	30
Bromodichloromethane	53.3		"	50.0	107	70-130			0.508	30
Bromoform	51.9		"	50.0	104	70-130			1.77	30
Bromomethane	47.1		"	50.0	94.2	40-160			4.85	30
Carbon disulfide	50.3		"	50.0	101	40-160			3.29	30
Carbon tetrachloride	42.7		"	50.0	85.4	70-130			0.446	30
Chlorobenzene	53.3		"	50.0	107	70-130			0.0375	30
Chloroethane	36.6		"	50.0	73.2	51-142			1.35	30
Chloroform	50.0		"	50.0	99.9	70-130			0.361	30
Chloromethane	36.0		"	50.0	72.1	49-132			2.70	30
cis-1,2-Dichloroethylene	47.6		"	50.0	95.3	70-130			0.801	30
cis-1,3-Dichloropropylene	45.9		"	50.0	91.8	70-130			0.634	30
Cyclohexane	43.2		"	50.0	86.4	70-130			1.20	30
Dibromochloromethane	50.6		"	50.0	101	70-130			1.84	30
Dibromomethane	51.3		"	50.0	103	83-124			1.76	30
Dichlorodifluoromethane	57.1		"	50.0	114	40-160			1.39	30
Ethyl Benzene	50.2		"	50.0	100	70-130			0.674	30
Hexachlorobutadiene	60.7		"	50.0	121	83-133			1.34	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 BD11137 - EPA 5035A											
LCS Dup (BD11137-BSD1)	LCS Dup	Prepared & Analyzed: 04/21/2021									
Isopropylbenzene	52.5		ug/L	50.0		105	70-130		1.77		30
Methyl acetate	39.1		"	50.0		78.2	70-130		0.0511		30
Methyl tert-butyl ether (MTBE)	50.9		"	50.0		102	70-130		1.45		30
Methylcyclohexane	47.3		"	50.0		94.6	70-130		1.51		30
Methylene chloride	46.2		"	50.0		92.3	70-130		2.21		30
n-Butylbenzene	49.9		"	50.0		99.8	80-130		0.897		30
n-Propylbenzene	51.0		"	50.0		102	74-136		1.63		30
o-Xylene	50.4		"	50.0		101	70-130		0.692		30
p- & m- Xylenes	102		"	100		102	70-130		1.47		30
p-Isopropyltoluene	54.8		"	50.0		110	85-125		2.04		30
sec-Butylbenzene	55.3		"	50.0		111	83-125		1.88		30
Styrene	54.4		"	50.0		109	70-130		0.202		30
tert-Butyl alcohol (TBA)	260		"	250		104	70-130		1.54		30
tert-Butylbenzene	53.3		"	50.0		107	80-127		2.19		30
Tetrachloroethylene	53.2		"	50.0		106	70-130		1.40		30
Toluene	50.4		"	50.0		101	70-130		1.20		30
trans-1,2-Dichloroethylene	47.0		"	50.0		93.9	70-130		1.71		30
trans-1,3-Dichloropropylene	45.5		"	50.0		91.0	70-130		0.417		30
Trichloroethylene	51.4		"	50.0		103	70-130		1.22		30
Trichlorofluoromethane	37.1		"	50.0		74.1	40-160		5.26		30
Vinyl Chloride	38.0		"	50.0		75.9	70-130		4.94		30
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>47.2</i>		<i>"</i>	<i>50.0</i>		<i>94.3</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>52.1</i>		<i>"</i>	<i>50.0</i>		<i>104</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>47.6</i>		<i>"</i>	<i>50.0</i>		<i>95.1</i>	<i>76-130</i>				
Matrix Spike (BD11137-MS1)	Matrix Spike	Prepared & Analyzed: 04/21/2021									
*Source sample: 21D0750-01 (082_LSB-24A)											
1,1,1,2-Tetrachloroethane	24.3		ug/L	50.0	0.00	48.6	15-161				33
1,1,1-Trichloroethane	28.7		"	50.0	0.00	57.3	70-130	Low Bias			30
1,1,2,2-Tetrachloroethane	31.0		"	50.0	0.00	61.9	70-130	Low Bias			30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	24.8		"	50.0	0.00	49.5	70-130	Low Bias			30
1,1,2-Trichloroethane	33.2		"	50.0	0.00	66.5	70-130	Low Bias			30
1,1-Dichloroethane	29.2		"	50.0	0.00	58.5	70-130	Low Bias			30
1,1-Dichloroethylene	25.6		"	50.0	0.00	51.1	70-130	Low Bias			30
1,1-Dichloropropylene	24.9		"	50.0	0.00	49.8	40-133				28
1,2,3-Trichlorobenzene	8.86		"	50.0	0.00	17.7	70-130	Low Bias			30
1,2,3-Trichloropropane	31.9		"	50.0	0.00	63.8	38-155				48
1,2,4-Trichlorobenzene	9.28		"	50.0	0.00	18.6	70-130	Low Bias			30
1,2,4-Trimethylbenzene	18.2		"	50.0	0.00	36.4	10-170				242
1,2-Dibromo-3-chloropropane	24.4		"	50.0	0.00	48.9	40-160				30
1,2-Dibromoethane	31.1		"	50.0	0.00	62.2	70-130	Low Bias			30
1,2-Dichlorobenzene	16.8		"	50.0	0.00	33.6	70-130	Low Bias			30
1,2-Dichloroethane	29.4		"	50.0	0.00	58.8	70-130	Low Bias			30
1,2-Dichloropropane	31.6		"	50.0	0.00	63.2	70-130	Low Bias			30
1,3,5-Trimethylbenzene	19.2		"	50.0	0.00	38.5	10-150				62
1,3-Dichlorobenzene	16.0		"	50.0	0.00	32.0	70-130	Low Bias			30
1,3-Dichloropropane	30.4		"	50.0	0.00	60.8	43-142				36
1,4-Dichlorobenzene	15.7		"	50.0	0.00	31.4	70-130	Low Bias			30
1,4-Dioxane	797		"	1050	0.00	75.9	40-160				30
2,2-Dichloropropane	25.0		"	50.0	0.00	50.0	38-130				31
2-Butanone	27.8		"	50.0	0.00	55.7	40-160				30
2-Chlorotoluene	19.0		"	50.0	0.00	38.0	14-144				49



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BD11137 - EPA 5035A												
Matrix Spike (BD11137-MS1)	Matrix Spike	*Source sample: 21D0750-01 (082_LSB-24A)					Prepared & Analyzed: 04/21/2021					
2-Hexanone	28.4		ug/L	50.0	0.00	56.8	40-160			30		
4-Chlorotoluene	18.3		"	50.0	0.00	36.6	15-138			39		
4-Methyl-2-pentanone	33.0		"	50.0	0.00	65.9	40-160			30		
Acetone	27.6		"	50.0	5.63	43.8	40-160			30		
Acrolein	9.33		"	50.0	0.00	18.7	10-192			128		
Acrylonitrile	30.7		"	50.0	0.00	61.4	13-161			48		
Benzene	29.5		"	50.0	0.00	59.0	70-130	Low Bias		30		
Bromobenzene	20.2		"	50.0	0.00	40.3	23-142			44		
Bromochloromethane	29.1		"	50.0	0.00	58.2	70-130	Low Bias		30		
Bromodichloromethane	31.2		"	50.0	0.00	62.4	70-130	Low Bias		30		
Bromoform	24.6		"	50.0	0.00	49.2	70-130	Low Bias		30		
Bromomethane	31.8		"	50.0	0.00	63.7	40-160			30		
Carbon disulfide	24.6		"	50.0	0.00	49.2	40-160			30		
Carbon tetrachloride	23.2		"	50.0	0.00	46.4	70-130	Low Bias		30		
Chlorobenzene	23.3		"	50.0	0.00	46.5	70-130	Low Bias		30		
Chloroethane	26.8		"	50.0	0.00	53.5	40-160			30		
Chloroform	31.9		"	50.0	0.00	63.8	70-130	Low Bias		30		
Chloromethane	26.1		"	50.0	0.00	52.2	40-160			30		
cis-1,2-Dichloroethylene	28.3		"	50.0	0.00	56.6	70-130	Low Bias		30		
cis-1,3-Dichloropropylene	23.9		"	50.0	0.00	47.8	70-130	Low Bias		30		
Cyclohexane	19.7		"	50.0	0.00	39.4	70-130	Low Bias		30		
Dibromochloromethane	26.9		"	50.0	0.00	53.7	70-130	Low Bias		30		
Dibromomethane	31.6		"	50.0	0.00	63.2	47-143			41		
Dichlorodifluoromethane	34.8		"	50.0	0.00	69.5	40-160			30		
Ethyl Benzene	22.1		"	50.0	0.00	44.3	70-130	Low Bias		30		
Hexachlorobutadiene	9.22		"	50.0	0.00	18.4	10-158			45		
Isopropylbenzene	21.4		"	50.0	0.00	42.7	70-130	Low Bias		30		
Methyl acetate	31.6		"	50.0	0.00	63.1	70-130	Low Bias		30		
Methyl tert-butyl ether (MTBE)	34.2		"	50.0	0.00	68.4	70-130	Low Bias		30		
Methylcyclohexane	16.1		"	50.0	0.00	32.2	70-130	Low Bias		30		
Methylene chloride	36.3		"	50.0	4.79	63.1	70-130	Low Bias		30		
n-Butylbenzene	12.0		"	50.0	0.00	23.9	10-162			96		
n-Propylbenzene	18.3		"	50.0	0.00	36.6	10-155			56		
o-Xylene	22.0		"	50.0	0.00	44.0	70-130	Low Bias		30		
p- & m- Xylenes	43.1		"	100	0.00	43.1	70-130	Low Bias		30		
p-Isopropyltoluene	15.7		"	50.0	0.00	31.5	10-147			60		
sec-Butylbenzene	16.6		"	50.0	0.00	33.3	10-157			56		
Styrene	20.8		"	50.0	0.00	41.7	70-130	Low Bias		30		
tert-Butyl alcohol (TBA)	152		"	250	0.00	60.8	34-179			35		
tert-Butylbenzene	18.5		"	50.0	0.00	37.0	10-160			79		
Tetrachloroethylene	22.7		"	50.0	0.00	45.4	70-130	Low Bias		30		
Toluene	26.8		"	50.0	0.00	53.7	70-130	Low Bias		30		
trans-1,2-Dichloroethylene	26.7		"	50.0	0.00	53.4	70-130	Low Bias		30		
trans-1,3-Dichloropropylene	21.6		"	50.0	0.00	43.2	70-130	Low Bias		30		
Trichloroethylene	27.1		"	50.0	0.00	54.2	70-130	Low Bias		30		
Trichlorofluoromethane	25.7		"	50.0	0.00	51.4	40-160			30		
Vinyl Chloride	26.4		"	50.0	0.00	52.9	70-130	Low Bias		30		
Surrogate: SURRE: 1,2-Dichloroethane-d4	50.6		"	50.0		101	77-125					
Surrogate: SURRE: Toluene-d8	52.8		"	50.0		106	85-120					
Surrogate: SURRE: p-Bromofluorobenzene	49.3		"	50.0		98.5	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 BD11137 - EPA 5035A											
Matrix Spike Dup (BD11137-M Matrix Spike Dup)						Source sample: 21D0750-01 (082_LSB-24A)					
						Prepared & Analyzed: 04/21/2021					
1,1,1,2-Tetrachloroethane	14.9		ug/L	50.0	0.00	29.9	15-161		47.7	33	Non-dir.
1,1,1-Trichloroethane	19.4		"	50.0	0.00	38.9	70-130	Low Bias	38.3	30	Non-dir.
1,1,2,2-Tetrachloroethane	20.2		"	50.0	0.00	40.3	70-130	Low Bias	42.3	30	Non-dir.
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14.8		"	50.0	0.00	29.6	70-130	Low Bias	50.2	30	Non-dir.
1,1,2-Trichloroethane	25.5		"	50.0	0.00	51.0	70-130	Low Bias	26.3	30	
1,1-Dichloroethane	22.6		"	50.0	0.00	45.1	70-130	Low Bias	25.8	30	
1,1-Dichloroethylene	18.1		"	50.0	0.00	36.3	70-130	Low Bias	34.0	30	Non-dir.
1,1-Dichloropropylene	14.9		"	50.0	0.00	29.8	40-133	Low Bias	50.3	28	Non-dir.
1,2,3-Trichlorobenzene	4.51		"	50.0	0.00	9.02	70-130	Low Bias	65.1	30	Non-dir.
1,2,3-Trichloropropane	22.2		"	50.0	0.00	44.4	38-155		35.8	48	
1,2,4-Trichlorobenzene	4.52		"	50.0	0.00	9.04	70-130	Low Bias	69.0	30	Non-dir.
1,2,4-Trimethylbenzene	9.27		"	50.0	0.00	18.5	10-170		65.0	242	
1,2-Dibromo-3-chloropropane	14.1		"	50.0	0.00	28.2	40-160	Low Bias	53.7	30	Non-dir.
1,2-Dibromoethane	22.7		"	50.0	0.00	45.5	70-130	Low Bias	31.1	30	Non-dir.
1,2-Dichlorobenzene	8.65		"	50.0	0.00	17.3	70-130	Low Bias	64.2	30	Non-dir.
1,2-Dichloroethane	23.6		"	50.0	0.00	47.1	70-130	Low Bias	22.1	30	
1,2-Dichloropropane	25.1		"	50.0	0.00	50.2	70-130	Low Bias	22.8	30	
1,3,5-Trimethylbenzene	9.89		"	50.0	0.00	19.8	10-150		64.2	62	Non-dir.
1,3-Dichlorobenzene	7.99		"	50.0	0.00	16.0	70-130	Low Bias	66.8	30	Non-dir.
1,3-Dichloropropane	22.8		"	50.0	0.00	45.5	43-142		28.9	36	
1,4-Dichlorobenzene	7.77		"	50.0	0.00	15.5	70-130	Low Bias	67.5	30	Non-dir.
1,4-Dioxane	653		"	1050	0.00	62.2	40-160		19.9	30	
2,2-Dichloropropane	18.0		"	50.0	0.00	35.9	38-130	Low Bias	32.7	31	Non-dir.
2-Butanone	23.4		"	50.0	0.00	46.8	40-160		17.4	30	
2-Chlorotoluene	9.65		"	50.0	0.00	19.3	14-144		65.4	49	Non-dir.
2-Hexanone	22.8		"	50.0	0.00	45.6	40-160		21.9	30	
4-Chlorotoluene	9.36		"	50.0	0.00	18.7	15-138		64.7	39	Non-dir.
4-Methyl-2-pentanone	27.8		"	50.0	0.00	55.5	40-160		17.1	30	
Acetone	25.6		"	50.0	5.63	40.0	40-160		7.22	30	
Acrolein	9.28		"	50.0	0.00	18.6	10-192		0.537	128	
Acrylonitrile	24.8		"	50.0	0.00	49.6	13-161		21.3	48	
Benzene	21.1		"	50.0	0.00	42.3	70-130	Low Bias	33.0	30	Non-dir.
Bromobenzene	10.7		"	50.0	0.00	21.3	23-142	Low Bias	61.7	44	Non-dir.
Bromochloromethane	23.1		"	50.0	0.00	46.3	70-130	Low Bias	22.9	30	
Bromodichloromethane	23.3		"	50.0	0.00	46.7	70-130	Low Bias	28.9	30	
Bromoform	15.6		"	50.0	0.00	31.1	70-130	Low Bias	45.0	30	Non-dir.
Bromomethane	28.2		"	50.0	0.00	56.3	40-160		12.3	30	
Carbon disulfide	14.6		"	50.0	0.00	29.1	40-160	Low Bias	51.3	30	Non-dir.
Carbon tetrachloride	14.2		"	50.0	0.00	28.3	70-130	Low Bias	48.3	30	Non-dir.
Chlorobenzene	13.1		"	50.0	0.00	26.3	70-130	Low Bias	55.6	30	Non-dir.
Chloroethane	22.9		"	50.0	0.00	45.8	40-160		15.5	30	
Chloroform	24.3		"	50.0	0.00	48.7	70-130	Low Bias	27.0	30	
Chloromethane	22.4		"	50.0	0.00	44.7	40-160		15.6	30	
cis-1,2-Dichloroethylene	20.4		"	50.0	0.00	40.8	70-130	Low Bias	32.3	30	Non-dir.
cis-1,3-Dichloropropylene	17.1		"	50.0	0.00	34.2	70-130	Low Bias	33.0	30	Non-dir.
Cyclohexane	9.84		"	50.0	0.00	19.7	70-130	Low Bias	66.7	30	Non-dir.
Dibromochloromethane	18.7		"	50.0	0.00	37.4	70-130	Low Bias	35.9	30	Non-dir.
Dibromomethane	24.8		"	50.0	0.00	49.7	47-143		23.9	41	
Dichlorodifluoromethane	27.0		"	50.0	0.00	54.0	40-160		25.1	30	
Ethyl Benzene	11.9		"	50.0	0.00	23.8	70-130	Low Bias	60.2	30	Non-dir.
Hexachlorobutadiene	3.75		"	50.0	0.00	7.50	10-158	Low Bias	84.3	45	Non-dir.



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD		Flag
		Limit							Units	Level		Result	RPD	Limit
Batch BD11137 - EPA 5035A											
Matrix Spike Dup (BD11137-M)						Matrix Spike Dup					
Source sample: 21D0750-01 (082_LSB-24A)						Prepared & Analyzed: 04/21/2021					
Isopropylbenzene	10.8		ug/L	50.0	0.00	21.7	70-130	Low Bias	65.3	30	Non-dir.
Methyl acetate	24.6		"	50.0	0.00	49.3	70-130	Low Bias	24.7	30	
Methyl tert-butyl ether (MTBE)	29.1		"	50.0	0.00	58.2	70-130	Low Bias	16.0	30	
Methylcyclohexane	7.79		"	50.0	0.00	15.6	70-130	Low Bias	69.6	30	Non-dir.
Methylene chloride	30.8		"	50.0	4.79	51.9	70-130	Low Bias	16.6	30	
n-Butylbenzene	5.49		"	50.0	0.00	11.0	10-162		74.2	96	
n-Propylbenzene	9.14		"	50.0	0.00	18.3	10-155		66.7	56	Non-dir.
o-Xylene	12.0		"	50.0	0.00	23.9	70-130	Low Bias	59.2	30	Non-dir.
p- & m- Xylenes	22.7		"	100	0.00	22.7	70-130	Low Bias	62.1	30	Non-dir.
p-Isopropyltoluene	7.80		"	50.0	0.00	15.6	10-147		67.4	60	Non-dir.
sec-Butylbenzene	7.93		"	50.0	0.00	15.9	10-157		71.0	56	Non-dir.
Styrene	10.8		"	50.0	0.00	21.6	70-130	Low Bias	63.3	30	Non-dir.
tert-Butyl alcohol (TBA)	131		"	250	0.00	52.3	34-179		15.0	35	
tert-Butylbenzene	9.23		"	50.0	0.00	18.5	10-160		66.9	79	
Tetrachloroethylene	11.9		"	50.0	0.00	23.8	70-130	Low Bias	62.6	30	Non-dir.
Toluene	16.7		"	50.0	0.00	33.3	70-130	Low Bias	46.7	30	Non-dir.
trans-1,2-Dichloroethylene	17.7		"	50.0	0.00	35.4	70-130	Low Bias	40.6	30	Non-dir.
trans-1,3-Dichloropropylene	14.5		"	50.0	0.00	28.9	70-130	Low Bias	39.6	30	Non-dir.
Trichloroethylene	17.3		"	50.0	0.00	34.6	70-130	Low Bias	44.3	30	Non-dir.
Trichlorofluoromethane	18.2		"	50.0	0.00	36.4	40-160	Low Bias	34.3	30	Non-dir.
Vinyl Chloride	20.7		"	50.0	0.00	41.4	70-130	Low Bias	24.4	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	49.6		"	50.0		99.1	77-125				
Surrogate: SURR: Toluene-d8	52.7		"	50.0		105	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.3		"	50.0		98.5	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
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Batch BD11032 - EPA 3546 SVOA

Blank (BD11032-BLK1)	Blank										
											Prepared & Analyzed: 04/20/2021
1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2,4-Trichlorobenzene	ND	0.0416	"								
1,2-Dichlorobenzene	ND	0.0416	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
1,3-Dichlorobenzene	ND	0.0416	"								
1,4-Dichlorobenzene	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	"								



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
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Batch BD11032 - EPA 3546 SVOA

Blank (BD11032-BLK1)	Blank	Prepared & Analyzed: 04/20/2021									
Caprolactam	ND	0.0830	mg/kg wet								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
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	0.476		"	1.66		28.7	20-108				
Surrogate: SURR: Phenol-d5	0.435		"	1.66		26.2	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.352		"	0.831		42.4	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.254		"	0.831		30.6	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	0.566		"	1.66		34.1	19-110				
Surrogate: SURR: Terphenyl-d14	0.378		"	0.831		45.5	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 BD11032 - EPA 3546 SVOA											
LCS (BD11032-BS1)	LCS										Prepared & Analyzed: 04/20/2021
1,1-Biphenyl	0.804	0.0416	mg/kg wet	0.831		96.8	18-111				
1,2,4,5-Tetrachlorobenzene	0.774	0.0830	"	0.831		93.2	21-131				
1,2,4-Trichlorobenzene	0.790	0.0416	"	0.831		95.1	10-140				
1,2-Dichlorobenzene	0.851	0.0416	"	0.831		102	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.812	0.0416	"	0.831		97.8	17-137				
1,3-Dichlorobenzene	0.655	0.0416	"	0.831		78.8	33-110				
1,4-Dichlorobenzene	0.669	0.0416	"	0.831		80.6	32-104				
2,3,4,6-Tetrachlorophenol	0.855	0.0830	"	0.831		103	30-130				
2,4,5-Trichlorophenol	0.755	0.0416	"	0.831		90.9	27-118				
2,4,6-Trichlorophenol	0.813	0.0416	"	0.831		97.9	31-120				
2,4-Dichlorophenol	0.856	0.0416	"	0.831		103	20-127				
2,4-Dimethylphenol	0.820	0.0416	"	0.831		98.7	14-132				
2,4-Dinitrophenol	0.691	0.0830	"	0.831		83.2	10-171				
2,4-Dinitrotoluene	1.07	0.0416	"	0.831		129	34-131				
2,6-Dinitrotoluene	1.08	0.0416	"	0.831		130	31-128	High Bias			
2-Chloronaphthalene	0.735	0.0416	"	0.831		88.5	31-117				
2-Chlorophenol	0.712	0.0416	"	0.831		85.8	33-113				
2-Methylnaphthalene	0.857	0.0416	"	0.831		103	12-138				
2-Methylphenol	0.872	0.0416	"	0.831		105	10-136				
2-Nitroaniline	1.02	0.0830	"	0.831		123	27-132				
2-Nitrophenol	1.12	0.0416	"	0.831		134	17-129	High Bias			
3- & 4-Methylphenols	0.786	0.0416	"	0.831		94.7	29-103				
3,3-Dichlorobenzidine	0.731	0.0416	"	0.831		88.0	22-149				
3-Nitroaniline	0.851	0.0830	"	0.831		102	20-133				
4,6-Dinitro-2-methylphenol	1.29	0.0830	"	0.831		155	10-143	High Bias			
4-Bromophenyl phenyl ether	0.839	0.0416	"	0.831		101	29-120				
4-Chloro-3-methylphenol	0.849	0.0416	"	0.831		102	24-129				
4-Chloroaniline	0.549	0.0416	"	0.831		66.1	10-132				
4-Chlorophenyl phenyl ether	0.753	0.0416	"	0.831		90.7	27-124				
4-Nitroaniline	0.939	0.0830	"	0.831		113	16-128				
4-Nitrophenol	0.791	0.0830	"	0.831		95.2	10-141				
Acenaphthene	0.707	0.0416	"	0.831		85.1	30-121				
Acenaphthylene	0.727	0.0416	"	0.831		87.5	30-115				
Acetophenone	0.908	0.0416	"	0.831		109	20-112				
Aniline	0.639	0.166	"	0.831		76.9	10-119				
Anthracene	0.750	0.0416	"	0.831		90.2	34-118				
Atrazine	0.971	0.0416	"	0.831		117	26-112	High Bias			
Benzaldehyde	0.778	0.0416	"	0.831		93.6	21-100				
Benzo(a)anthracene	0.777	0.0416	"	0.831		93.6	32-122				
Benzo(a)pyrene	0.858	0.0416	"	0.831		103	29-133				
Benzo(b)fluoranthene	0.804	0.0416	"	0.831		96.8	25-133				
Benzo(g,h,i)perylene	0.839	0.0416	"	0.831		101	10-143				
Benzo(k)fluoranthene	0.745	0.0416	"	0.831		89.7	25-128				
Benzoic acid	0.193	0.0416	"	0.831		23.2	10-140				
Benzyl alcohol	0.926	0.0416	"	0.831		112	30-115				
Benzyl butyl phthalate	0.964	0.0416	"	0.831		116	26-126				
Bis(2-chloroethoxy)methane	0.754	0.0416	"	0.831		90.8	19-132				
Bis(2-chloroethyl)ether	0.568	0.0416	"	0.831		68.4	19-125				
Bis(2-chloroisopropyl)ether	0.683	0.0416	"	0.831		82.3	20-135				
Bis(2-ethylhexyl)phthalate	0.983	0.0416	"	0.831		118	10-155				
Caprolactam	1.37	0.0830	"	0.831		165	10-127	High 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
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Batch BD11032 - EPA 3546 SVOA

LCS (BD11032-BS1)	LCS	Prepared & Analyzed: 04/20/2021									
Carbazole	0.740	0.0416	mg/kg wet	0.831		89.0	35-123				
Chrysene	0.748	0.0416	"	0.831		90.1	32-123				
Dibenzo(a,h)anthracene	0.801	0.0416	"	0.831		96.4	10-136				
Dibenzofuran	0.748	0.0416	"	0.831		90.0	29-121				
Diethyl phthalate	0.756	0.0416	"	0.831		91.1	34-116				
Dimethyl phthalate	0.752	0.0416	"	0.831		90.5	35-124				
Di-n-butyl phthalate	0.797	0.0416	"	0.831		95.9	31-116				
Di-n-octyl phthalate	1.04	0.0416	"	0.831		126	26-136				
Fluoranthene	0.655	0.0416	"	0.831		78.9	33-122				
Fluorene	0.746	0.0416	"	0.831		89.8	29-123				
Hexachlorobenzene	0.725	0.0416	"	0.831		87.3	21-124				
Hexachlorobutadiene	0.827	0.0416	"	0.831		99.5	10-149				
Hexachlorocyclopentadiene	0.862	0.0416	"	0.831		104	10-129				
Hexachloroethane	0.851	0.0416	"	0.831		102	28-108				
Indeno(1,2,3-cd)pyrene	1.01	0.0416	"	0.831		121	10-135				
Isophorone	0.725	0.0416	"	0.831		87.2	20-132				
Naphthalene	0.737	0.0416	"	0.831		88.7	23-124				
Nitrobenzene	0.793	0.0416	"	0.831		95.5	13-132				
N-Nitrosodimethylamine	0.598	0.0416	"	0.831		72.0	11-129				
N-nitroso-di-n-propylamine	0.784	0.0416	"	0.831		94.4	24-119				
N-Nitrosodiphenylamine	1.03	0.0416	"	0.831		125	22-152				
Pentachlorophenol	0.649	0.0416	"	0.831		78.1	10-139				
Phenanthrene	0.715	0.0416	"	0.831		86.0	33-123				
Phenol	0.731	0.0416	"	0.831		88.0	23-115				
Pyrene	0.752	0.0416	"	0.831		90.6	24-130				
Pyridine	0.399	0.166	"	0.831		48.0	10-91				
Surrogate: SURR: 2-Fluorophenol	1.27		"	1.66		76.4	20-108				
Surrogate: SURR: Phenol-d5	1.21		"	1.66		73.0	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.842		"	0.831		101	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.700		"	0.831		84.3	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.74		"	1.66		105	19-110				
Surrogate: SURR: Terphenyl-d14	0.869		"	0.831		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 BD11032 - EPA 3546 SVOA												
Matrix Spike (BD11032-MS1)	Matrix Spike	*Source sample: 21D0750-01 (082_LSB-24A)						Prepared: 04/20/2021 Analyzed: 04/21/2021				
1,1-Biphenyl	0.764	0.0939	mg/kg dry	0.938	ND	81.4	10-130					
1,2,4,5-Tetrachlorobenzene	0.682	0.188	"	0.938	ND	72.7	10-133					
1,2,4-Trichlorobenzene	0.622	0.0939	"	0.938	ND	66.3	10-127					
1,2-Dichlorobenzene	0.613	0.0939	"	0.938	ND	65.4	14-111					
1,2-Diphenylhydrazine (as Azobenzene)	0.748	0.0939	"	0.938	ND	79.7	10-144					
1,3-Dichlorobenzene	0.594	0.0939	"	0.938	ND	63.4	11-111					
1,4-Dichlorobenzene	0.582	0.0939	"	0.938	ND	62.1	10-106					
2,3,4,6-Tetrachlorophenol	0.739	0.188	"	0.938	ND	78.8	30-130					
2,4,5-Trichlorophenol	0.663	0.0939	"	0.938	ND	70.6	10-127					
2,4,6-Trichlorophenol	0.660	0.0939	"	0.938	ND	70.3	10-132					
2,4-Dichlorophenol	0.704	0.0939	"	0.938	ND	75.0	10-128					
2,4-Dimethylphenol	0.696	0.0939	"	0.938	ND	74.2	10-137					
2,4-Dinitrophenol	ND	0.188	"	0.938	ND		10-171	Low Bias				
2,4-Dinitrotoluene	0.878	0.0939	"	0.938	ND	93.6	16-135					
2,6-Dinitrotoluene	0.870	0.0939	"	0.938	ND	92.7	18-131					
2-Chloronaphthalene	0.665	0.0939	"	0.938	ND	70.9	10-129					
2-Chlorophenol	0.673	0.0939	"	0.938	ND	71.8	15-116					
2-Methylnaphthalene	0.759	0.0939	"	0.938	ND	80.9	10-147					
2-Methylphenol	0.681	0.0939	"	0.938	ND	72.6	10-136					
2-Nitroaniline	0.908	0.188	"	0.938	ND	96.8	10-137					
2-Nitrophenol	0.847	0.0939	"	0.938	ND	90.2	10-129					
3- & 4-Methylphenols	0.614	0.0939	"	0.938	ND	65.4	10-123					
3,3-Dichlorobenzidine	0.436	0.0939	"	0.938	ND	46.5	10-155					
3-Nitroaniline	0.751	0.188	"	0.938	ND	80.0	12-133					
4,6-Dinitro-2-methylphenol	ND	0.188	"	0.938	ND		10-155	Low Bias				
4-Bromophenyl phenyl ether	0.701	0.0939	"	0.938	ND	74.7	14-128					
4-Chloro-3-methylphenol	0.745	0.0939	"	0.938	ND	79.4	10-134					
4-Chloroaniline	0.468	0.0939	"	0.938	ND	49.8	10-145					
4-Chlorophenyl phenyl ether	0.645	0.0939	"	0.938	ND	68.7	14-130					
4-Nitroaniline	0.738	0.188	"	0.938	ND	78.6	10-147					
4-Nitrophenol	0.748	0.188	"	0.938	ND	79.8	10-137					
Acenaphthene	0.661	0.0939	"	0.938	ND	70.4	10-146					
Acenaphthylene	0.769	0.0939	"	0.938	0.0751	73.9	10-134					
Acetophenone	0.745	0.0939	"	0.938	ND	79.4	10-116					
Aniline	0.394	0.376	"	0.938	ND	42.0	10-123					
Anthracene	0.782	0.0939	"	0.938	0.133	69.2	10-142					
Atrazine	0.838	0.0939	"	0.938	ND	89.3	19-115					
Benzaldehyde	0.761	0.0939	"	0.938	ND	81.1	10-125					
Benzo(a)anthracene	1.03	0.0939	"	0.938	0.408	66.6	10-158					
Benzo(a)pyrene	1.17	0.0939	"	0.938	0.441	77.8	10-180					
Benzo(b)fluoranthene	1.03	0.0939	"	0.938	0.328	74.9	10-200					
Benzo(g,h,i)perylene	1.01	0.0939	"	0.938	0.282	77.9	10-138					
Benzo(k)fluoranthene	0.962	0.0939	"	0.938	0.343	66.0	10-197					
Benzoic acid	0.0488	0.0939	"	0.938	ND	5.20	10-166	Low Bias				
Benzyl alcohol	0.804	0.0939	"	0.938	ND	85.7	12-124					
Benzyl butyl phthalate	0.937	0.0939	"	0.938	ND	99.8	10-154					
Bis(2-chloroethoxy)methane	0.634	0.0939	"	0.938	ND	67.5	10-132					
Bis(2-chloroethyl)ether	0.694	0.0939	"	0.938	ND	74.0	10-119					
Bis(2-chloroisopropyl)ether	0.531	0.0939	"	0.938	ND	56.6	10-139					
Bis(2-ethylhexyl)phthalate	0.989	0.0939	"	0.938	0.0832	96.6	10-167					
Caprolactam	1.12	0.188	"	0.938	ND	119	10-132					



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
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Batch BD11032 - EPA 3546 SVOA

Matrix Spike (BD11032-MS1) Matrix Spike *Source sample: 21D0750-01 (082_LSB-24A) Prepared: 04/20/2021 Analyzed: 04/21/2021

Carbazole	0.688	0.0939	mg/kg dry	0.938	ND	73.4	10-167				
Chrysene	0.976	0.0939	"	0.938	0.389	62.5	10-156				
Dibenzo(a,h)anthracene	0.844	0.0939	"	0.938	0.0602	83.5	10-137				
Dibenzofuran	0.694	0.0939	"	0.938	ND	74.0	10-147				
Diethyl phthalate	0.715	0.0939	"	0.938	ND	76.2	20-120				
Dimethyl phthalate	0.688	0.0939	"	0.938	ND	73.3	18-131				
Di-n-butyl phthalate	0.818	0.0939	"	0.938	ND	87.2	10-137				
Di-n-octyl phthalate	1.07	0.0939	"	0.938	ND	114	10-180				
Fluoranthene	1.12	0.0939	"	0.938	0.719	42.6	10-160				
Fluorene	0.690	0.0939	"	0.938	ND	73.5	10-157				
Hexachlorobenzene	0.749	0.0939	"	0.938	ND	79.8	10-137				
Hexachlorobutadiene	0.679	0.0939	"	0.938	ND	72.3	10-132				
Hexachlorocyclopentadiene	0.182	0.0939	"	0.938	ND	19.4	10-106				
Hexachloroethane	0.642	0.0939	"	0.938	ND	68.4	10-110				
Indeno(1,2,3-cd)pyrene	1.19	0.0939	"	0.938	0.282	97.0	10-144				
Isophorone	0.691	0.0939	"	0.938	ND	73.6	10-132				
Naphthalene	0.701	0.0939	"	0.938	ND	74.7	10-141				
Nitrobenzene	0.745	0.0939	"	0.938	ND	79.4	10-131				
N-Nitrosodimethylamine	0.540	0.0939	"	0.938	ND	57.5	10-126				
N-nitroso-di-n-propylamine	0.652	0.0939	"	0.938	ND	69.5	10-125				
N-Nitrosodiphenylamine	0.809	0.0939	"	0.938	ND	86.2	10-177				
Pentachlorophenol	0.396	0.0939	"	0.938	ND	42.2	10-153				
Phenanthrene	0.877	0.0939	"	0.938	0.406	50.3	10-148				
Phenol	0.701	0.0939	"	0.938	ND	74.7	10-126				
Pyrene	1.15	0.0939	"	0.938	0.734	44.6	10-165				
Pyridine	0.331	0.376	"	0.938	ND	35.3	10-83				
Surrogate: SURR: 2-Fluorophenol	1.27		"	1.88		67.5	20-108				
Surrogate: SURR: Phenol-d5	1.27		"	1.88		67.6	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.832		"	0.938		88.7	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.668		"	0.938		71.2	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.60		"	1.88		85.2	19-110				
Surrogate: SURR: Terphenyl-d14	0.844		"	0.938		90.0	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 BD11032 - EPA 3546 SVOA											
Matrix Spike Dup (BD11032-3) Matrix Spike Dup Source sample: 21D0750-01 (082_LSB-24A)											
Prepared: 04/20/2021 Analyzed: 04/21/2021											
1,1-Biphenyl	0.685	0.0939	mg/kg dry	0.938	ND	73.0	10-130		11.0	30	
1,2,4,5-Tetrachlorobenzene	0.607	0.188	"	0.938	ND	64.7	10-133		11.6	30	
1,2,4-Trichlorobenzene	0.554	0.0939	"	0.938	ND	59.0	10-127		11.6	30	
1,2-Dichlorobenzene	0.531	0.0939	"	0.938	ND	56.6	14-111		14.4	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.665	0.0939	"	0.938	ND	70.9	10-144		11.7	30	
1,3-Dichlorobenzene	0.499	0.0939	"	0.938	ND	53.2	11-111		17.4	30	
1,4-Dichlorobenzene	0.522	0.0939	"	0.938	ND	55.6	10-106		11.0	30	
2,3,4,6-Tetrachlorophenol	0.665	0.188	"	0.938	ND	70.9	30-130		10.6	30	
2,4,5-Trichlorophenol	0.615	0.0939	"	0.938	ND	65.5	10-127		7.52	30	
2,4,6-Trichlorophenol	0.598	0.0939	"	0.938	ND	63.8	10-132		9.79	30	
2,4-Dichlorophenol	0.603	0.0939	"	0.938	ND	64.3	10-128		15.4	30	
2,4-Dimethylphenol	0.625	0.0939	"	0.938	ND	66.6	10-137		10.7	30	
2,4-Dinitrophenol	ND	0.188	"	0.938	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.700	0.0939	"	0.938	ND	74.6	16-135		22.5	30	
2,6-Dinitrotoluene	0.778	0.0939	"	0.938	ND	82.9	18-131		11.2	30	
2-Chloronaphthalene	0.602	0.0939	"	0.938	ND	64.2	10-129		9.95	30	
2-Chlorophenol	0.585	0.0939	"	0.938	ND	62.4	15-116		14.0	30	
2-Methylnaphthalene	0.687	0.0939	"	0.938	ND	73.2	10-147		9.97	30	
2-Methylphenol	0.594	0.0939	"	0.938	ND	63.3	10-136		13.7	30	
2-Nitroaniline	0.798	0.188	"	0.938	ND	85.0	10-137		12.9	30	
2-Nitrophenol	0.736	0.0939	"	0.938	ND	78.4	10-129		14.0	30	
3- & 4-Methylphenols	0.538	0.0939	"	0.938	ND	57.4	10-123		13.2	30	
3,3-Dichlorobenzidine	0.170	0.0939	"	0.938	ND	18.2	10-155		87.6	30	Non-dir.
3-Nitroaniline	0.609	0.188	"	0.938	ND	64.9	12-133		20.9	30	
4,6-Dinitro-2-methylphenol	ND	0.188	"	0.938	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.630	0.0939	"	0.938	ND	67.1	14-128		10.7	30	
4-Chloro-3-methylphenol	0.649	0.0939	"	0.938	ND	69.2	10-134		13.8	30	
4-Chloroaniline	0.390	0.0939	"	0.938	ND	41.6	10-145		18.0	30	
4-Chlorophenyl phenyl ether	0.547	0.0939	"	0.938	ND	58.3	14-130		16.4	30	
4-Nitroaniline	0.564	0.188	"	0.938	ND	60.2	10-147		26.6	30	
4-Nitrophenol	0.581	0.188	"	0.938	ND	61.9	10-137		25.2	30	
Acenaphthene	0.583	0.0939	"	0.938	ND	62.2	10-146		12.4	30	
Acenaphthylene	0.694	0.0939	"	0.938	0.0751	66.0	10-134		10.2	30	
Acetophenone	0.672	0.0939	"	0.938	ND	71.6	10-116		10.4	30	
Aniline	0.360	0.376	"	0.938	ND	38.4	10-123		8.96	30	
Anthracene	0.715	0.0939	"	0.938	0.133	62.1	10-142		8.92	30	
Atrazine	0.731	0.0939	"	0.938	ND	77.9	19-115		13.6	30	
Benzaldehyde	0.652	0.0939	"	0.938	ND	69.5	10-125		15.4	30	
Benzo(a)anthracene	1.04	0.0939	"	0.938	0.408	67.6	10-158		0.940	30	
Benzo(a)pyrene	1.16	0.0939	"	0.938	0.441	76.5	10-180		1.03	30	
Benzo(b)fluoranthene	1.03	0.0939	"	0.938	0.328	74.6	10-200		0.292	30	
Benzo(g,h,i)perylene	1.02	0.0939	"	0.938	0.282	78.7	10-138		0.739	30	
Benzo(k)fluoranthene	0.973	0.0939	"	0.938	0.343	67.2	10-197		1.16	30	
Benzoic acid	0.0495	0.0939	"	0.938	ND	5.28	10-166	Low Bias	1.53	30	
Benzyl alcohol	0.680	0.0939	"	0.938	ND	72.5	12-124		16.7	30	
Benzyl butyl phthalate	0.828	0.0939	"	0.938	ND	88.2	10-154		12.3	30	
Bis(2-chloroethoxy)methane	0.567	0.0939	"	0.938	ND	60.4	10-132		11.1	30	
Bis(2-chloroethyl)ether	0.496	0.0939	"	0.938	ND	52.9	10-119		33.3	30	Non-dir.
Bis(2-chloroisopropyl)ether	0.472	0.0939	"	0.938	ND	50.3	10-139		11.8	30	
Bis(2-ethylhexyl)phthalate	0.924	0.0939	"	0.938	0.0832	89.6	10-167		6.83	30	
Caprolactam	0.965	0.188	"	0.938	ND	103	10-132		15.0	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
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Batch BD11032 - EPA 3546 SVOA

Matrix Spike Dup (BD11032-3) Matrix Spike Dup Source sample: 21D0750-01 (082_LSB-24A) Prepared: 04/20/2021 Analyzed: 04/21/2021

Carbazole	0.594	0.0939	mg/kg dry	0.938	ND	63.3	10-167		14.8	30	
Chrysene	0.979	0.0939	"	0.938	0.389	62.8	10-156		0.307	30	
Dibenzo(a,h)anthracene	0.798	0.0939	"	0.938	0.0602	78.6	10-137		5.58	30	
Dibenzofuran	0.613	0.0939	"	0.938	ND	65.4	10-147		12.4	30	
Diethyl phthalate	0.627	0.0939	"	0.938	ND	66.8	20-120		13.2	30	
Dimethyl phthalate	0.601	0.0939	"	0.938	ND	64.1	18-131		13.4	30	
Di-n-butyl phthalate	0.716	0.0939	"	0.938	ND	76.3	10-137		13.3	30	
Di-n-octyl phthalate	0.938	0.0939	"	0.938	ND	99.9	10-180		13.0	30	
Fluoranthene	1.13	0.0939	"	0.938	0.719	43.6	10-160		0.802	30	
Fluorene	0.622	0.0939	"	0.938	ND	66.3	10-157		10.3	30	
Hexachlorobenzene	0.652	0.0939	"	0.938	ND	69.4	10-137		13.9	30	
Hexachlorobutadiene	0.584	0.0939	"	0.938	ND	62.2	10-132		15.0	30	
Hexachlorocyclopentadiene	ND	0.0939	"	0.938	ND		10-106	Low Bias		30	
Hexachloroethane	0.513	0.0939	"	0.938	ND	54.7	10-110		22.2	30	
Indeno(1,2,3-cd)pyrene	1.16	0.0939	"	0.938	0.282	93.7	10-144		2.62	30	
Isophorone	0.600	0.0939	"	0.938	ND	64.0	10-132		14.0	30	
Naphthalene	0.640	0.0939	"	0.938	ND	68.2	10-141		9.18	30	
Nitrobenzene	0.677	0.0939	"	0.938	ND	72.2	10-131		9.50	30	
N-Nitrosodimethylamine	0.466	0.0939	"	0.938	ND	49.7	10-126		14.6	30	
N-nitroso-di-n-propylamine	0.575	0.0939	"	0.938	ND	61.3	10-125		12.6	30	
N-Nitrosodiphenylamine	0.745	0.0939	"	0.938	ND	79.4	10-177		8.31	30	
Pentachlorophenol	0.338	0.0939	"	0.938	ND	36.0	10-153		15.8	30	
Phenanthrene	0.817	0.0939	"	0.938	0.406	43.9	10-148		7.09	30	
Phenol	0.613	0.0939	"	0.938	ND	65.4	10-126		13.4	30	
Pyrene	1.25	0.0939	"	0.938	0.734	55.2	10-165		8.24	30	
Pyridine	0.292	0.376	"	0.938	ND	31.1	10-83		12.5	30	
Surrogate: SURR: 2-Fluorophenol	1.10		"	1.88		58.7	20-108				
Surrogate: SURR: Phenol-d5	1.10		"	1.88		58.4	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.726		"	0.938		77.4	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.585		"	0.938		62.3	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.43		"	1.88		76.3	19-110				
Surrogate: SURR: Terphenyl-d14	0.747		"	0.938		79.6	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 BD10959 - EPA 3535A												
Blank (BD10959-BLK1)	Blank								Prepared & Analyzed: 04/19/2021			
1,4-Dioxane	ND	0.300	ug/L									
<i>Surrogate: 1,4-Dioxane-d8</i>	2.88		"	4.00		72.0	36.6-118					
LCS (BD10959-BS1)	LCS								Prepared & Analyzed: 04/19/2021			
1,4-Dioxane	4.50	0.300	ug/L	4.00		112	50-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	2.56		"	4.00		64.0	36.6-118					
Matrix Spike (BD10959-MS1)	Matrix Spike	*Source sample: 21D0604-15 (Matrix Spike)								Prepared & Analyzed: 04/19/2021		
1,4-Dioxane	4.21	0.300	ug/L	4.00	ND	105	50-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	3.20		"	4.00		80.0	50-130					
Matrix Spike Dup (BD10959-MS1)	Matrix Spike Dup	*Source sample: 21D0604-15 (Matrix Spike Dup)								Prepared & Analyzed: 04/19/2021		
1,4-Dioxane	4.67	0.300	ug/L	4.00	ND	117	50-130		10.5	30		
<i>Surrogate: 1,4-Dioxane-d8</i>	2.88		"	4.00		72.0	50-130					
Batch BD11105 - EPA 3550C												
Blank (BD11105-BLK1)	Blank								Prepared & Analyzed: 04/21/2021			
1,4-Dioxane	ND	9.90	ug/kg									
<i>Surrogate: 1,4-Dioxane-d8</i>	277		"	495		56.0	39-127.5					
LCS (BD11105-BS1)	LCS								Prepared & Analyzed: 04/21/2021			
1,4-Dioxane	517	9.90	ug/kg	495		104	40-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	228		"	495		46.0	39-127.5					
Matrix Spike (BD11105-MS1)	Matrix Spike	*Source sample: 21D0750-01 (082_LSB-24A)								Prepared & Analyzed: 04/21/2021		
1,4-Dioxane	519	9.90	ug/kg	495	ND	105	40-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	208		"	495		42.0	40-130					



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 BD11105 - EPA 3550C											
Matrix Spike Dup (BD11105-M Matrix Spike Dup)						Source sample: 21D0750-01 (082_LSB-24A)					
						Prepared & Analyzed: 04/21/2021					
1,4-Dioxane	540	9.90	ug/kg	495	ND	109	40-130		3.93	30	
Surrogate: 1,4-Dioxane-d8	218		"	495		44.0	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
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Batch BD11056 - SPE PFAS Extraction-Soil-EPA 537m

Blank (BD11056-BLK1) Blank Prepared: 04/20/2021 Analyzed: 04/21/2021

Perfluorobutanesulfonic acid (PFBS)	ND	0.456	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.456	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.456	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.456	"								
Perfluorooctanoic acid (PFOA)	ND	0.456	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.456	"								
Perfluorononanoic acid (PFNA)	ND	0.456	"								
Perfluorodecanoic acid (PFDA)	ND	0.456	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.456	"								
Perfluorododecanoic acid (PFDoA)	ND	0.456	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.456	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.456	"								
N-MeFOSAA	ND	0.456	"								
N-EtFOSAA	ND	0.456	"								
Perfluoropentanoic acid (PFPeA)	ND	0.456	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.456	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.456	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.456	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	0.456	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	0.456	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.456	"								
Surrogate: M3PFBS	4.25		"	4.23		100	25-150				
Surrogate: M5PFHxA	4.83		"	4.56		106	25-150				
Surrogate: M4PFHpA	4.30		"	4.56		94.4	25-150				
Surrogate: M3PFHxS	4.33		"	4.31		101	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	4.71		"	4.56		103	25-150				
Surrogate: M6PFDA	4.42		"	4.56		97.1	25-150				
Surrogate: M7PFUdA	3.80		"	4.56		83.4	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.31		"	4.56		72.6	25-150				
Surrogate: M2PFTeDA	3.20		"	4.56		70.2	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	5.19		"	4.56		114	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	4.35		"	4.36		99.7	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.96		"	4.56		109	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.04		"	4.56		66.7	10-150				
Surrogate: d3-N-MeFOSAA	3.89		"	4.56		85.3	25-150				
Surrogate: d5-N-EtFOSAA	5.68		"	4.56		125	25-150				
Surrogate: M2-6:2 FTS	3.60		"	4.32		83.2	25-150				
Surrogate: M2-8:2 FTS	3.77		"	4.37		86.4	25-150				
Surrogate: M9PFNA	4.46		"	4.56		97.9	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	Limits	Flag	RPD	Limit	Flag
		Limit			Result	%REC			RPD		
Batch BD11056 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BD11056-BS1)	LCS	Prepared: 04/20/2021 Analyzed: 04/21/2021									
Perfluorobutanesulfonic acid (PFBS)	3.87	0.482	ug/kg wet	4.26		90.9	50-130				
Perfluorohexanoic acid (PFHxA)	4.24	0.482	"	4.82		87.9	50-130				
Perfluoroheptanoic acid (PFHpA)	5.01	0.482	"	4.82		104	50-130				
Perfluorohexanesulfonic acid (PFHxS)	4.21	0.482	"	4.39		95.9	50-130				
Perfluorooctanoic acid (PFOA)	4.53	0.482	"	4.82		94.0	50-130				
Perfluorooctanesulfonic acid (PFOS)	4.06	0.482	"	4.46		91.1	50-130				
Perfluorononanoic acid (PFNA)	3.90	0.482	"	4.82		81.1	50-130				
Perfluorodecanoic acid (PFDA)	4.19	0.482	"	4.82		87.0	50-130				
Perfluoroundecanoic acid (PFUnA)	4.20	0.482	"	4.82		87.2	50-130				
Perfluorododecanoic acid (PFDoA)	4.29	0.482	"	4.82		89.0	50-130				
Perfluorotridecanoic acid (PFTrDA)	4.35	0.482	"	4.82		90.4	50-130				
Perfluorotetradecanoic acid (PFTA)	4.45	0.482	"	4.82		92.3	50-130				
N-MeFOSAA	4.48	0.482	"	4.82		93.0	50-130				
N-EtFOSAA	4.32	0.482	"	4.82		89.8	50-130				
Perfluoropentanoic acid (PFPeA)	4.54	0.482	"	4.82		94.4	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.48	0.482	"	4.82		93.1	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.01	0.482	"	4.58		110	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	2.81	0.482	"	4.65		60.4	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	4.44	0.482	"	4.58		97.0	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	4.08	0.482	"	4.62		88.2	50-130				
Perfluoro-n-butanoic acid (PFBA)	4.32	0.482	"	4.82		89.7	50-130				
Surrogate: M3PFBS	4.62		"	4.47		103	25-150				
Surrogate: M5PFHxA	5.18		"	4.82		108	25-150				
Surrogate: M4PFHpA	4.57		"	4.82		94.9	25-150				
Surrogate: M3PFHxS	4.48		"	4.56		98.4	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	5.15		"	4.82		107	25-150				
Surrogate: M6PFDA	4.44		"	4.82		92.2	25-150				
Surrogate: M7PFUdA	3.97		"	4.82		82.3	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.25		"	4.82		67.4	25-150				
Surrogate: M2PFTeDA	2.99		"	4.82		62.2	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	5.64		"	4.82		117	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	4.06		"	4.61		88.1	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.38		"	4.82		112	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.90		"	4.82		60.3	10-150				
Surrogate: d3-N-MeFOSAA	3.39		"	4.82		70.3	25-150				
Surrogate: d5-N-EtFOSAA	5.37		"	4.82		112	25-150				
Surrogate: M2-6:2 FTS	4.13		"	4.57		90.4	25-150				
Surrogate: M2-8:2 FTS	4.14		"	4.61		89.8	25-150				
Surrogate: M9PFNA	4.96		"	4.82		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 BD11056 - SPE PFAS Extraction-Soil-EPA 537m												
Matrix Spike (BD11056-MS1)	Matrix Spike	*Source sample: 21D0750-01 (082_LSB-24A)						Prepared: 04/20/2021 Analyzed: 04/21/2021				
Perfluorobutanesulfonic acid (PFBS)	4.39	0.538	ug/kg dry	4.77	ND	92.0	25-150					
Perfluorohexanoic acid (PFHxA)	5.01	0.538	"	5.38	ND	93.0	25-150					
Perfluoroheptanoic acid (PFHpA)	6.18	0.538	"	5.38	ND	115	25-150					
Perfluorohexanesulfonic acid (PFHxS)	4.40	0.538	"	4.91	ND	89.5	25-150					
Perfluorooctanoic acid (PFOA)	5.74	0.538	"	5.38	ND	107	25-150					
Perfluorooctanesulfonic acid (PFOS)	4.70	0.538	"	4.99	1.61	62.0	25-150					
Perfluorononanoic acid (PFNA)	4.68	0.538	"	5.38	ND	86.9	25-150					
Perfluorodecanoic acid (PFDA)	5.21	0.538	"	5.38	ND	96.7	25-150					
Perfluoroundecanoic acid (PFUnA)	4.58	0.538	"	5.38	ND	85.1	25-150					
Perfluorododecanoic acid (PFDoA)	4.91	0.538	"	5.38	ND	91.2	25-150					
Perfluorotridecanoic acid (PFTrDA)	4.74	0.538	"	5.38	ND	88.1	25-150					
Perfluorotetradecanoic acid (PFTA)	4.95	0.538	"	5.38	ND	91.8	25-150					
N-MeFOSAA	5.33	0.538	"	5.38	ND	99.0	25-150					
N-EtFOSAA	5.08	0.538	"	5.38	ND	94.4	25-150					
Perfluoropentanoic acid (PFPeA)	5.18	0.538	"	5.38	ND	96.1	25-150					
Perfluoro-1-octanesulfonamide (FOSA)	4.83	0.538	"	5.38	ND	89.6	25-150					
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.45	0.538	"	5.12	ND	107	25-150					
Perfluoro-1-decanesulfonic acid (PFDS)	3.07	0.538	"	5.20	ND	59.1	25-150					
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	4.72	0.538	"	5.12	ND	92.3	25-150					
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	5.14	0.538	"	5.17	ND	99.4	25-150					
Perfluoro-n-butanoic acid (PFBA)	5.06	0.538	"	5.38	ND	94.0	25-150					
Surrogate: M3PFBS	4.33		"	5.00		86.5	25-150					
Surrogate: M5PFHxA	5.08		"	5.38		94.3	25-150					
Surrogate: M4PFHpA	4.21		"	5.38		78.2	25-150					
Surrogate: M3PFHxS	4.71		"	5.09		92.4	25-150					
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	5.45		"	5.38		101	25-150					
Surrogate: M6PFDA	4.80		"	5.38		89.1	25-150					
Surrogate: M7PFUdA	4.40		"	5.38		81.7	25-150					
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.22		"	5.38		59.7	25-150					
Surrogate: M2PFTeDA	2.99		"	5.38		55.5	10-150					
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	5.46		"	5.38		101	25-150					
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	4.41		"	5.15		85.5	25-150					
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.15		"	5.38		95.7	25-150					
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.11		"	5.38		57.7	10-150					
Surrogate: d3-N-MeFOSAA	5.79		"	5.38		108	25-150					
Surrogate: d5-N-EtFOSAA	6.51		"	5.38		121	25-150					
Surrogate: M2-6:2 FTS	8.50		"	5.11		166	25-150					
Surrogate: M2-8:2 FTS	9.79		"	5.16		190	25-150					
Surrogate: M9PFNA	5.26		"	5.38		97.8	25-150					



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit								Level	Result	Limit	Flag
Batch BD11056 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike Dup (BD11056-1) Matrix Spike Dup						Source sample: 21D0750-01 (082_LSB-24A)					
						Prepared: 04/20/2021 Analyzed: 04/21/2021					
Perfluorobutanesulfonic acid (PFBS)	4.55	0.559	ug/kg dry	4.95	ND	91.9	25-150			3.71	35
Perfluorohexanoic acid (PFHxA)	5.30	0.559	"	5.59	ND	94.8	25-150			5.73	35
Perfluoroheptanoic acid (PFHpA)	6.51	0.559	"	5.59	ND	116	25-150			5.16	35
Perfluorohexanesulfonic acid (PFHxS)	5.01	0.559	"	5.10	ND	98.3	25-150			13.1	35
Perfluorooctanoic acid (PFOA)	6.20	0.559	"	5.59	ND	111	25-150			7.71	35
Perfluorooctanesulfonic acid (PFOS)	5.40	0.559	"	5.18	1.61	73.2	25-150			13.9	35
Perfluorononanoic acid (PFNA)	5.19	0.559	"	5.59	ND	92.8	25-150			10.4	35
Perfluorodecanoic acid (PFDA)	5.24	0.559	"	5.59	ND	93.7	25-150			0.637	35
Perfluoroundecanoic acid (PFUnA)	4.86	0.559	"	5.59	ND	86.9	25-150			5.88	35
Perfluorododecanoic acid (PFDoA)	5.00	0.559	"	5.59	ND	89.4	25-150			1.81	35
Perfluorotridecanoic acid (PFTriDA)	4.82	0.559	"	5.59	ND	86.2	25-150			1.73	35
Perfluorotetradecanoic acid (PFTA)	5.18	0.559	"	5.59	ND	92.5	25-150			4.56	35
N-MeFOSAA	5.44	0.559	"	5.59	ND	97.3	25-150			2.04	35
N-EtFOSAA	5.16	0.559	"	5.59	ND	92.2	25-150			1.51	35
Perfluoropentanoic acid (PFPeA)	5.33	0.559	"	5.59	ND	95.2	25-150			2.87	35
Perfluoro-1-octanesulfonamide (FOSA)	4.99	0.559	"	5.59	ND	89.2	25-150			3.26	35
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.11	0.559	"	5.31	ND	115	25-150			11.4	35
Perfluoro-1-decanesulfonic acid (PFDS)	3.54	0.559	"	5.40	ND	65.5	25-150			14.2	35
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	5.18	0.559	"	5.31	ND	97.5	25-150			9.20	35
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	5.11	0.559	"	5.37	ND	95.2	25-150			0.482	35
Perfluoro-n-butanoic acid (PFBA)	5.38	0.559	"	5.59	ND	96.2	25-150			6.06	35
Surrogate: M3PFBS	4.80		"	5.20		92.3	25-150				
Surrogate: M5PFHxA	5.39		"	5.59		96.4	25-150				
Surrogate: M4PFHpA	4.35		"	5.59		77.8	25-150				
Surrogate: M3PFHxS	4.80		"	5.29		90.8	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	5.76		"	5.59		103	25-150				
Surrogate: M6PFDA	4.94		"	5.59		88.3	25-150				
Surrogate: M7PFUdA	4.28		"	5.59		76.4	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.47		"	5.59		62.1	25-150				
Surrogate: M2PFTeDA	3.13		"	5.59		55.9	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	5.76		"	5.59		103	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	4.37		"	5.35		81.6	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.60		"	5.59		100	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.30		"	5.59		59.1	10-150				
Surrogate: d3-N-MeFOSAA	6.22		"	5.59		111	25-150				
Surrogate: d5-N-EtFOSAA	6.61		"	5.59		118	25-150				
Surrogate: M2-6:2 FTS	10.4		"	5.31		196	25-150				
Surrogate: M2-8:2 FTS	13.0		"	5.36		242	25-150				
Surrogate: M9PFNA	5.15		"	5.59		92.1	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
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Batch BD11144 - SPE Ext-PFAS-EPA 537.1M

Blank (BD11144-BLK1)	Blank	Prepared: 04/21/2021 Analyzed: 04/22/2021									
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	64.0		"	74.3		86.1	25-150				
Surrogate: M5PFHxA	88.6		"	80.0		111	25-150				
Surrogate: M4PFHpA	69.2		"	80.0		86.5	25-150				
Surrogate: M3PFHxS	67.3		"	75.7		88.9	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	81.9		"	80.0		102	25-150				
Surrogate: M6PFDA	79.3		"	80.0		99.1	25-150				
Surrogate: M7PFUdA	81.9		"	80.0		102	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	53.8		"	80.0		67.2	25-150				
Surrogate: M2PFTeDA	25.3		"	80.0		31.6	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	99.3		"	80.0		124	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	82.1		"	76.6		107	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	78.7		"	80.0		98.4	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	40.6		"	80.0		50.8	10-150				
Surrogate: d3-N-MeFOSAA	68.8		"	80.0		86.0	25-150				
Surrogate: d5-N-EtFOSAA	66.1		"	80.0		82.6	25-150				
Surrogate: M2-6:2 FTS	75.2		"	75.9		99.1	25-150				
Surrogate: M2-8:2 FTS	61.8		"	76.6		80.6	25-150				
Surrogate: M9PFNA	78.9		"	80.0		98.6	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BD11144 - SPE Ext-PFAS-EPA 537.1M

LCS (BD11144-BS1)	LCS	Prepared: 04/21/2021 Analyzed: 04/22/2021									
Perfluorobutanesulfonic acid (PFBS)	87.0	2.00	ng/L	70.8		123	50-130				
Perfluorohexanoic acid (PFHxA)	80.9	2.00	"	80.0		101	50-130				
Perfluoroheptanoic acid (PFHpA)	102	2.00	"	80.0		128	50-130				
Perfluorohexanesulfonic acid (PFHxS)	84.4	2.00	"	73.0		116	50-130				
Perfluorooctanoic acid (PFOA)	84.6	2.00	"	80.0		106	50-130				
Perfluorooctanesulfonic acid (PFOS)	52.0	2.00	"	74.1		70.2	50-130				
Perfluorononanoic acid (PFNA)	86.2	2.00	"	80.0		108	50-130				
Perfluorodecanoic acid (PFDA)	93.4	2.00	"	80.0		117	50-130				
Perfluoroundecanoic acid (PFUnA)	69.6	2.00	"	80.0		87.0	50-130				
Perfluorododecanoic acid (PFDoA)	88.6	2.00	"	80.0		111	50-130				
Perfluorotridecanoic acid (PFTrDA)	70.8	2.00	"	80.0		88.5	50-130				
Perfluorotetradecanoic acid (PFTA)	75.7	2.00	"	80.0		94.7	50-130				
N-MeFOSAA	81.4	2.00	"	80.0		102	50-130				
N-EtFOSAA	81.9	2.00	"	80.0		102	50-130				
Perfluoropentanoic acid (PFPeA)	90.1	2.00	"	80.0		113	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	84.6	2.00	"	80.0		106	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	82.2	2.00	"	76.0		108	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	61.4	2.00	"	77.2		79.5	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	80.0	5.00	"	76.0		105	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	94.4	2.00	"	76.8		123	50-130				
Perfluoro-n-butanoic acid (PFBA)	69.9	2.00	"	80.0		87.3	50-130				
Surrogate: M3PFBS	68.4		"	74.3		92.0	25-150				
Surrogate: M5PFHxA	96.9		"	80.0		121	25-150				
Surrogate: M4PFHpA	73.8		"	80.0		92.3	25-150				
Surrogate: M3PFHxS	71.6		"	75.7		94.6	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	89.1		"	80.0		111	25-150				
Surrogate: M6PFDA	69.8		"	80.0		87.3	25-150				
Surrogate: M7PFUdA	88.9		"	80.0		111	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	62.0		"	80.0		77.4	25-150				
Surrogate: M2PFTeDA	41.5		"	80.0		51.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	108		"	80.0		134	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	83.1		"	76.6		109	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	86.7		"	80.0		108	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	36.6		"	80.0		45.8	10-150				
Surrogate: d3-N-MeFOSAA	73.1		"	80.0		91.3	25-150				
Surrogate: d5-N-EtFOSAA	64.6		"	80.0		80.7	25-150				
Surrogate: M2-6:2 FTS	81.0		"	75.9		107	25-150				
Surrogate: M2-8:2 FTS	70.1		"	76.6		91.5	25-150				
Surrogate: M9PFNA	83.5		"	80.0		104	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BD11144 - SPE Ext-PFAS-EPA 537.1M

LCS Dup (BD11144-BS D1)	LCS Dup	Prepared: 04/21/2021 Analyzed: 04/22/2021									
Perfluorobutanesulfonic acid (PFBS)	83.6	2.00	ng/L	70.8		118	50-130			3.99	30
Perfluorohexanoic acid (PFHxA)	74.9	2.00	"	80.0		93.6	50-130			7.71	30
Perfluoroheptanoic acid (PFHpA)	94.8	2.00	"	80.0		118	50-130			7.42	30
Perfluorohexanesulfonic acid (PFHxS)	84.8	2.00	"	73.0		116	50-130			0.434	30
Perfluorooctanoic acid (PFOA)	81.0	2.00	"	80.0		101	50-130			4.31	30
Perfluorooctanesulfonic acid (PFOS)	40.4	2.00	"	74.1		54.6	50-130			25.0	30
Perfluorononanoic acid (PFNA)	85.6	2.00	"	80.0		107	50-130			0.691	30
Perfluorodecanoic acid (PFDA)	77.0	2.00	"	80.0		96.3	50-130			19.2	30
Perfluoroundecanoic acid (PFUnA)	67.0	2.00	"	80.0		83.7	50-130			3.83	30
Perfluorododecanoic acid (PFDoA)	86.0	2.00	"	80.0		107	50-130			2.95	30
Perfluorotridecanoic acid (PFTrDA)	60.2	2.00	"	80.0		75.3	50-130			16.2	30
Perfluorotetradecanoic acid (PFTA)	72.9	2.00	"	80.0		91.1	50-130			3.87	30
N-MeFOSAA	73.9	2.00	"	80.0		92.4	50-130			9.66	30
N-EtFOSAA	86.1	2.00	"	80.0		108	50-130			4.99	30
Perfluoropentanoic acid (PFPeA)	87.1	2.00	"	80.0		109	50-130			3.38	30
Perfluoro-1-octanesulfonamide (FOSA)	76.9	2.00	"	80.0		96.1	50-130			9.59	30
Perfluoro-1-heptanesulfonic acid (PFHpS)	81.9	2.00	"	76.0		108	50-130			0.374	30
Perfluoro-1-decanesulfonic acid (PFDS)	55.5	2.00	"	77.2		71.9	50-130			10.0	30
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	72.3	5.00	"	76.0		95.1	50-130			10.2	30
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	83.5	2.00	"	76.8		109	50-130			12.3	30
Perfluoro-n-butanoic acid (PFBA)	66.8	2.00	"	80.0		83.5	50-130			4.53	30
<i>Surrogate: M3PFBS</i>	66.8		"	74.3		89.9	25-150				
<i>Surrogate: M5PFHxA</i>	95.9		"	80.0		120	25-150				
<i>Surrogate: M4PFHpA</i>	72.2		"	80.0		90.3	25-150				
<i>Surrogate: M3PFHxS</i>	67.8		"	75.7		89.5	25-150				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	88.6		"	80.0		111	25-150				
<i>Surrogate: M6PFDA</i>	83.3		"	80.0		104	25-150				
<i>Surrogate: M7PFUdA</i>	83.5		"	80.0		104	25-150				
<i>Surrogate: Perfluoro-n-[13C8]dodecanoic acid (MPFDoA)</i>	53.8		"	80.0		67.2	25-150				
<i>Surrogate: M2PFTeDA</i>	27.2		"	80.0		34.0	10-150				
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	107		"	80.0		133	25-150				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	77.6		"	76.6		101	25-150				
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	85.3		"	80.0		107	25-150				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	34.0		"	80.0		42.5	10-150				
<i>Surrogate: d3-N-MeFOSAA</i>	71.5		"	80.0		89.4	25-150				
<i>Surrogate: d5-N-EtFOSAA</i>	59.0		"	80.0		73.8	25-150				
<i>Surrogate: M2-6:2 FTS</i>	82.5		"	75.9		109	25-150				
<i>Surrogate: M2-8:2 FTS</i>	65.9		"	76.6		85.9	25-150				
<i>Surrogate: M9PFNA</i>	76.4		"	80.0		95.5	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
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Batch BD10941 - EPA 3550C

Blank (BD10941-BLK1)	Blank	Prepared: 04/16/2021 Analyzed: 04/19/2021									
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	"								

Surrogate: Decachlorobiphenyl	0.0546		"	0.0664		82.2	30-150				
Surrogate: Tetrachloro-m-xylene	0.0535		"	0.0664		80.5	30-150				

LCS (BD10941-BS1)	LCS	Prepared: 04/16/2021 Analyzed: 04/19/2021									
4,4'-DDD	0.0308	0.00164	mg/kg wet	0.0332		92.8	40-140				
4,4'-DDE	0.0271	0.00164	"	0.0332		81.7	40-140				
4,4'-DDT	0.0159	0.00164	"	0.0332		47.9	40-140				
Aldrin	0.0291	0.00164	"	0.0332		87.6	40-140				
alpha-BHC	0.0267	0.00164	"	0.0332		80.3	40-140				
alpha-Chlordane	0.0287	0.00164	"	0.0332		86.5	40-140				
beta-BHC	0.0272	0.00164	"	0.0332		81.7	40-140				
delta-BHC	0.0265	0.00164	"	0.0332		79.8	40-140				
Dieldrin	0.0291	0.00164	"	0.0332		87.6	40-140				
Endosulfan I	0.0307	0.00164	"	0.0332		92.5	40-140				
Endosulfan II	0.0273	0.00164	"	0.0332		82.3	40-140				
Endosulfan sulfate	0.0205	0.00164	"	0.0332		61.6	40-140				
Endrin	0.0259	0.00164	"	0.0332		77.9	40-140				
Endrin aldehyde	0.0238	0.00164	"	0.0332		71.8	40-140				
Endrin ketone	0.0276	0.00164	"	0.0332		83.1	40-140				
gamma-BHC (Lindane)	0.0269	0.00164	"	0.0332		81.0	40-140				
gamma-Chlordane	0.0276	0.00164	"	0.0332		83.1	40-140				
Heptachlor	0.0302	0.00164	"	0.0332		91.0	40-140				
Heptachlor epoxide	0.0283	0.00164	"	0.0332		85.0	40-140				
Methoxychlor	0.0142	0.00164	"	0.0332		42.6	40-140				

Surrogate: Decachlorobiphenyl	0.0594		"	0.0664		89.4	30-150				
Surrogate: Tetrachloro-m-xylene	0.0574		"	0.0664		86.4	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
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Batch Y1D0212 - BC11630

Performance Mix (Y1D0212-F Performance Mix)							Prepared & Analyzed: 04/01/2021				
4,4'-DDD	10.7		ng/mL	0.00			0-200				
4,4'-DDE	0.811		"	0.00			0-200				
4,4'-DDT	247		"	200		123	0-200				
Endrin	129		"	100		129	0-200				
Endrin aldehyde	0.667		"	0.00			0-200				
Endrin ketone	2.54		"	0.00			0-200				

Batch Y1D2015 - BD10856

Performance Mix (Y1D2015-F Performance Mix)							Prepared & Analyzed: 04/19/2021				
4,4'-DDD	6.69		ng/mL	0.00			0-200				
4,4'-DDE	1.17		"	0.00			0-200				
4,4'-DDT	130		"	200		65.0	0-200				
Endrin	72.1		"	100		72.1	0-200				
Endrin aldehyde	0.169		"	0.00			0-200				
Endrin ketone	3.21		"	0.00			0-200				

Batch Y1D2107 - BD10762

Performance Mix (Y1D2107-F Performance Mix)							Prepared & Analyzed: 04/20/2021				
4,4'-DDD	7.10		ng/mL	0.00			0-200				
4,4'-DDE	0.962		"	0.00			0-200				
4,4'-DDT	131		"	200		65.4	0-200				
Endrin	67.8		"	100		67.8	0-200				
Endrin aldehyde	0.421		"	0.00			0-200				
Endrin ketone	2.63		"	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 BD10941 - EPA 3550C											
Blank (BD10941-BLK2)		Blank							Prepared: 04/16/2021 Analyzed: 04/19/2021		
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	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	0.0532		"	0.0664		80.0	30-120				
Surrogate: Decachlorobiphenyl	0.0395		"	0.0664		59.5	30-120				
LCS (BD10941-BS2)		LCS							Prepared: 04/16/2021 Analyzed: 04/19/2021		
Aroclor 1016	0.278	0.0166	mg/kg wet	0.332		83.8	40-130				
Aroclor 1260	0.262	0.0166	"	0.332		79.0	40-130				
Surrogate: Tetrachloro-m-xylene	0.0528		"	0.0664		79.5	30-120				
Surrogate: Decachlorobiphenyl	0.0382		"	0.0664		57.5	30-120				
Matrix Spike (BD10941-MS2)		Matrix Spike							*Source sample: 21D0750-01 (082_LSB-24A) Prepared: 04/16/2021 Analyzed: 04/19/2021		
Aroclor 1016	0.152	0.0188	mg/kg dry	0.375	ND	40.5	40-140				
Aroclor 1260	0.145	0.0188	"	0.375	ND	38.6	40-140	Low Bias			
Surrogate: Tetrachloro-m-xylene	0.0432		"	0.0751		57.5	30-120				
Surrogate: Decachlorobiphenyl	0.0255		"	0.0751		34.0	30-120				
Matrix Spike Dup (BD10941-1)		Matrix Spike Dup							*Source sample: 21D0750-01 (082_LSB-24A) Prepared: 04/16/2021 Analyzed: 04/19/2021		
Aroclor 1016	0.0630	0.0188	mg/kg dry	0.375	ND	16.8	40-140	Low Bias	82.9	50	Non-dir.
Aroclor 1260	0.0970	0.0188	"	0.375	ND	25.8	40-140	Low Bias	39.5	50	
Surrogate: Tetrachloro-m-xylene	0.0360		"	0.0751		48.0	30-120				
Surrogate: Decachlorobiphenyl	0.0221		"	0.0751		29.5	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
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Batch Y1D2018 - BD10941

Aroclor Reference (Y1D2018-) Aroclor Reference

Prepared & Analyzed: 04/19/2021

Surrogate: Tetrachloro-m-xylene	0.217		ug/mL	0.200		108					
Surrogate: Decachlorobiphenyl	0.200		"	0.200		100					



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 BD11030 - EPA 3550C/8151A												
Blank (BD11030-BLK1)	Blank							Prepared & Analyzed: 04/20/2021				
2,4,5-T	ND	0.0199	mg/kg wet									
2,4,5-TP (Silvex)	ND	0.0199	"									
2,4-D	ND	0.0199	"									
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	0.437		"	0.415		105	21-150					
LCS (BD11030-BS1)	LCS							Prepared & Analyzed: 04/20/2021				
2,4,5-T	0.105	0.0199	mg/kg wet	0.133		78.8	10-120					
2,4,5-TP (Silvex)	0.107	0.0199	"	0.133		80.6	10-120					
2,4-D	0.115	0.0199	"	0.133		86.2	10-118					
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	0.431		"	0.415		104	21-150					
Matrix Spike (BD11030-MS1)	Matrix Spike	*Source sample: 21D0750-01 (082_LSB-24A)					Prepared & Analyzed: 04/20/2021					
2,4,5-T	0.134	0.0225	mg/kg dry	0.150	ND	89.4	10-120					
2,4,5-TP (Silvex)	0.137	0.0225	"	0.150	ND	91.2	10-120					
2,4-D	0.139	0.0225	"	0.150	ND	92.5	10-118					
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	0.567		"	0.469		121	21-150					
Matrix Spike Dup (BD11030-MS1)	Matrix Spike Dup	*Source sample: 21D0750-01 (082_LSB-24A)					Prepared & Analyzed: 04/20/2021					
2,4,5-T	0.130	0.0225	mg/kg dry	0.150	ND	86.9	10-120		2.84	35		
2,4,5-TP (Silvex)	0.130	0.0225	"	0.150	ND	86.9	10-120		4.91	35		
2,4-D	0.137	0.0225	"	0.150	ND	91.2	10-118		1.36	35		
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	0.561		"	0.469		120	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
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Batch BD10954 - EPA 3050B

Blank (BD10954-BLK1)	Blank	Prepared: 04/16/2021 Analyzed: 04/20/2021									
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	6.59	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	10.6	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 (BD10954-DUP1)	Duplicate	*Source sample: 21D0750-01 (082_LSB-24A) Prepared: 04/16/2021 Analyzed: 04/21/2021									
Aluminum	7700	5.65	mg/kg dry		6670				14.3	35	
Antimony	ND	2.82	"		ND					35	
Arsenic	12.1	1.69	"		11.1			8.48		35	
Barium	537	2.82	"		438			20.4		35	
Beryllium	ND	0.056	"		ND					35	
Cadmium	0.990	0.339	"		0.943			4.88		35	
Calcium	12400	5.65	"		8870			33.2		35	
Chromium	33.5	0.565	"		30.8			8.56		35	
Cobalt	9.68	0.452	"		8.58			12.1		35	
Copper	133	2.26	"		146			9.38		35	
Iron	45500	28.2	"		40200			12.3		35	
Lead	704	0.565	"		1690			82.1		35	Non-dir.
Magnesium	3630	5.65	"		2560			34.5		35	
Manganese	315	0.565	"		291			7.74		35	
Nickel	30.7	1.13	"		27.6			10.5		35	
Potassium	734	5.65	"		742			1.07		35	
Selenium	ND	2.82	"		ND					35	
Silver	ND	0.565	"		ND					35	
Sodium	475	56.5	"		283			50.5		35	Non-dir.
Thallium	ND	2.82	"		ND					35	
Vanadium	19.9	1.13	"		25.2			23.6		35	
Zinc	507	2.82	"		532			4.77		35	



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

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

Batch BD10954 - EPA 3050B

Matrix Spike (BD10954-MS1)	Matrix Spike	*Source sample: 21D0750-01 (082_LSB-24A)					Prepared: 04/16/2021 Analyzed: 04/21/2021				
Aluminum	6140	5.65	mg/kg dry	226	6670	NR	75-125	Low Bias			
Antimony	9.15	2.82	"	28.2	ND	32.4	75-125	Low Bias			
Arsenic	232	1.69	"	226	11.1	97.8	75-125				
Barium	760	2.82	"	226	438	143	75-125	High Bias			
Beryllium	4.88	0.056	"	5.65	ND	86.3	75-125				
Cadmium	6.53	0.339	"	5.65	0.943	98.9	75-125				
Calcium	9190	5.65	"	113	8870	287	75-125	High Bias			
Chromium	51.1	0.565	"	22.6	30.8	89.8	75-125				
Cobalt	66.1	0.452	"	56.5	8.58	102	75-125				
Copper	172	2.26	"	28.2	146	93.4	75-125				
Iron	42700	28.2	"	113	40200	NR	75-125	High Bias			
Lead	729	0.565	"	56.5	1690	NR	75-125	Low Bias			
Magnesium	2240	5.65	"	113	2560	NR	75-125	Low Bias			
Manganese	363	0.565	"	56.5	291	127	75-125	High Bias			
Nickel	84.3	1.13	"	56.5	27.6	100	75-125				
Potassium	799	5.65	"	113	742	50.4	75-125	Low Bias			
Selenium	152	2.82	"	226	ND	67.1	75-125	Low Bias			
Silver	5.70	0.565	"	5.65	ND	101	75-125				
Sodium	473	56.5	"	113	283	168	75-125	High Bias			
Thallium	211	2.82	"	226	ND	93.4	75-125				
Vanadium	72.6	1.13	"	56.5	25.2	83.9	75-125				
Zinc	588	2.82	"	56.5	532	98.4	75-125				

Post Spike (BD10954-PS1)	Post Spike	*Source sample: 21D0750-01 (082_LSB-24A)					Prepared: 04/16/2021 Analyzed: 04/21/2021				
Aluminum	60.2		ug/mL	2.00	59.1	58.1	75-125	Low Bias			
Antimony	0.276		"	0.250	-0.0001	110	75-125				
Arsenic	2.18		"	2.00	0.099	104	75-125				
Barium	5.91		"	2.00	3.87	102	75-125				
Beryllium	0.046		"	0.0500	-0.006	92.0	75-125				
Cadmium	0.061		"	0.0500	0.008	106	75-125				
Calcium	77.7		"	1.00	78.5	NR	75-125	Low Bias			
Chromium	0.470		"	0.200	0.273	98.7	75-125				
Cobalt	0.624		"	0.500	0.076	110	75-125				
Copper	1.52		"	0.250	1.29	93.5	75-125				
Iron	350		"	1.00	356	NR	75-125	Low Bias			
Lead	15.0		"	0.500	14.9	19.9	75-125	Low Bias			
Magnesium	23.7		"	1.00	22.7	104	75-125				
Manganese	3.04		"	0.500	2.58	92.3	75-125				
Nickel	0.781		"	0.500	0.245	107	75-125				
Potassium	7.81		"	1.00	6.56	125	75-125				
Selenium	1.51		"	2.00	-0.342	75.6	75-125				
Silver	0.036		"	0.0500	-0.009	72.9	75-125	Low Bias			
Sodium	3.64		"	1.00	2.51	113	75-125				
Thallium	2.01		"	2.00	-0.026	100	75-125				
Vanadium	0.737		"	0.500	0.223	103	75-125				
Zinc	5.08		"	0.500	4.71	74.2	75-125	Low Bias			



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

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

Batch BD10954 - EPA 3050B

Reference (BD10954-SRM1)	Reference	Prepared: 04/16/2021 Analyzed: 04/20/2021									
Aluminum	9670	5.00	mg/kg wet	8190		118	50.5-150.1				
Antimony	73.8	2.50	"	110		67.1	19-251.7				
Arsenic	185	1.50	"	162		114	70.1-129.8				
Barium	153	2.50	"	138		111	75-125				
Beryllium	167	0.050	"	157		106	75-125.2				
Cadmium	151	0.300	"	135		112	74.8-125.2				
Calcium	5080	5.00	"	4790		106	72.7-127.5				
Chromium	124	0.500	"	117		106	70.1-129.9				
Cobalt	103	0.400	"	92.6		111	75-125				
Copper	153	2.00	"	143		107	75.3-125.3				
Iron	16200	25.0	"	15100		107	35.8-164.6				
Lead	83.1	0.500	"	77.6		107	70-130				
Magnesium	2600	5.00	"	2320		112	61.7-137.8				
Manganese	346	0.500	"	319		108	78.1-122				
Nickel	94.3	1.00	"	79.9		118	70.1-130.1				
Potassium	2250	5.00	"	2050		110	59.1-140.9				
Selenium	159	2.50	"	172		92.6	55.7-144.5				
Silver	24.5	0.500	"	24.7		99.1	69.2-130.8				
Sodium	165	50.0	"	137		120	36.1-163.3				
Thallium	91.4	2.50	"	88.0		104	65.3-146.8				
Vanadium	106	1.00	"	99.9		106	67-133.1				
Zinc	338	2.50	"	312		108	69.9-130.1				



Mercury by EPA 7000/200 Series Methods - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Flag	RPD	RPD	Limit	Flag
		Limit		Level	Result		Limits		Limit			
Batch BD11012 - EPA 7473 soil												
Blank (BD11012-BLK1)	Blank									Prepared & Analyzed: 04/19/2021		
Mercury	ND	0.0300	mg/kg wet									
Duplicate (BD11012-DUP1)	Duplicate	*Source sample: 21D0750-01 (082_LSB-24A)						Prepared & Analyzed: 04/19/2021				
Mercury	0.527	0.0339	mg/kg dry		0.463				13.0		35	
Matrix Spike (BD11012-MS1)	Matrix Spike	*Source sample: 21D0750-01 (082_LSB-24A)						Prepared & Analyzed: 04/19/2021				
Mercury	0.874		mg/kg	0.500	0.410	92.8	75-125					
Reference (BD11012-SRM1)	Reference	Prepared & Analyzed: 04/19/2021										
Mercury	31.450		mg/kg	27.2		116	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 BD10910 - EPA SW846-3060											
Blank (BD10910-BLK1)	Blank								Prepared & Analyzed: 04/16/2021		
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BD10910-DUP1)	Duplicate								Prepared & Analyzed: 04/16/2021		
Chromium, Hexavalent	ND	0.565	mg/kg dry		ND					35	
Matrix Spike (BD10910-MS1)	Matrix Spike								Prepared & Analyzed: 04/16/2021		
Chromium, Hexavalent	ND	0.565	mg/kg dry	22.6	ND		75-125	Low Bias			
Matrix Spike (BD10910-MS2)	Matrix Spike								Prepared & Analyzed: 04/16/2021		
Chromium, Hexavalent	ND	0.565	mg/kg dry	22.6	ND		75-125	Low Bias			
Reference (BD10910-SRM1)	Reference								Prepared & Analyzed: 04/16/2021		
Chromium, Hexavalent	65.2		mg/L	109		59.8	30-169.7				
Batch BD11288 - Analysis Preparation Soil											
Blank (BD11288-BLK1)	Blank								Prepared & Analyzed: 04/23/2021		
Cyanide, total	ND	0.0100	mg/kg wet								
Duplicate (BD11288-DUP1)	Duplicate								Prepared & Analyzed: 04/23/2021		
Cyanide, total	ND	0.0113	mg/kg dry		ND					15	
Matrix Spike (BD11288-MS1)	Matrix Spike								Prepared & Analyzed: 04/23/2021		
Cyanide, total	0.167	0.0113	mg/kg dry	0.226	ND	73.9	79.6-107	Low Bias			
Reference (BD11288-SRM1)	Reference								Prepared & Analyzed: 04/23/2021		
Cyanide, total	106		ug/mL	91.9		115	42.22-159.96				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD10963 - % Solids Prep

Duplicate (BD10963-DUP1)	Duplicate	*Source sample: 21D0750-01 (082_LSB-24A)						Prepared & Analyzed: 04/19/2021			
% Solids	90.9	0.100	%		88.5				2.69	20	



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21D0750-01	082_LSB-24A	40mL Vial with Stir Bar-Cool 4° C
21D0750-02	083_LSB-24B	40mL Vial with Stir Bar-Cool 4° C
21D0750-03	084_LSB-24C	40mL Vial with Stir Bar-Cool 4° C
21D0750-04	085_LSB-27A	40mL Vial with Stir Bar-Cool 4° C
21D0750-05	086_DUP-4	40mL Vial with Stir Bar-Cool 4° C
21D0750-06	087_LSB-27B	40mL Vial with Stir Bar-Cool 4° C
21D0750-07	088_LSB-27C	40mL Vial with Stir Bar-Cool 4° C
21D0750-09	090_TB-9	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).
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.
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.
M-SRD1	The serial dilution for this element was outside control limits.
S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is 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-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.
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.

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 analysis requested below. Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No.
2100750

Page **1** of **1**

YOUR INFORMATION			Report To:			Invoice To:			YOUR Project Number			Turn-Around Time		
Company LANGAN	Company		Company SAME	Company		Company SAME	Company		100688801	Standard Excel EDD	RUSH - Next Day			
Address 300 Kimball Dr, Parsippany, NJ 973-560-4900	Address		Address	Address		Address	Address		YOUR Project Name 12096 Flatland Ave	Standard EDD	RUSH - Two Day			
Contact Brandon Reiner	Contact		Contact	Contact		Contact	Contact		YOUR PO#	NY ASP A Package NY ASP B Package	RUSH - Three Day			
E-mail B.Reiner@langan.com	E-mail		E-mail	E-mail		E-mail	E-mail			Other:	RUSH - Four Day			
<p>Brandon Reiner Samples Collected by: (print your name above and sign below)</p> <p>Brandon Reiner</p>			<p>Matrix Codes</p> <p>S - soil / solid GW - groundwater DW - drinking water WW - wastewater O - Oil ; Other</p>			<p>Samples From</p> <p>New York New Jersey Connecticut Pennsylvania Other</p>			<p>Report / EDD Type (circle selections)</p> <p>Summary Report QA Report NY ASP A Package NY ASP B Package</p>			<p>YORK Reg. Comp. Compared to the following Regulation(s): (please fill in)</p>		
<p>Sample Identification</p> <p>***082/LSB-24A 083/LSB-24B 084/LSB-24C 085/LSB-27A 086/DUP-4 087/LSB-27B 088/LSB-27C 089/FB-5 090/TB-9 (BR)</p>			<p>Sample Matrix</p> <p>S S S S S S A2 A2</p>			<p>Date/Time Sampled</p> <p>4/15/12 8:15 8:25 8:45 8:55 9:00 9:45 10:00 13:50 N/A</p>			<p>Analysis Requested</p> <p>VOG, SVOCs 1-4 dioxane TAL Metals Hex, Cr, PFAs, Herbicides, Pesticides, PCBs PFAs, 1-4 dioxane VOGs</p>			<p>Container Description</p> <p>1 X 8 oz. 1 X 4 oz. 4 X 40 mL 1 X 1 L HDPE 1 X HDPE, 1 Ang 2 X 40 mL 100% (BR)</p>		
<p>Comments: *** = MS / MUD</p>			<p>Preservation: (check all that apply)</p> <p>HCl X MeOH X HNO3 H2SO4 NaOH ZnAc Ascorbic Acid Other: DT</p>			<p>Special Instruction</p> <p>Field Filtered Lab to Filter</p>			<p>Date/Time</p> <p>4/15/12 19:11</p>					
<p>Date/Time</p> <p>4/15/12</p>			<p>Date/Time</p> <p>4/15/12</p>			<p>Date/Time</p> <p>4/15/12</p>			<p>Date/Time</p> <p>4/15/12</p>					
<p>Date/Time</p> <p>4/15/12</p>			<p>Date/Time</p> <p>4/15/12</p>			<p>Date/Time</p> <p>4/15/12</p>			<p>Date/Time</p> <p>4/15/12</p>					
<p>Date/Time</p> <p>4/15/12</p>			<p>Date/Time</p> <p>4/15/12</p>			<p>Date/Time</p> <p>4/15/12</p>			<p>Date/Time</p> <p>4/15/12</p>					



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive, 4th Floor

Parsipanny NJ, 07054-2172

Attention: Brandon Reiner

Report Date: 05/04/2021

Client Project ID: 100688801

York Project (SDG) No.: 21D1189

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Brandon Reiner

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 26, 2021 and listed below. The project was identified as your project: **100688801**.

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>
21D1189-01	101_LMW-8	Water	04/26/2021	04/26/2021
21D1189-02	102_LMW-7	Water	04/26/2021	04/26/2021
21D1189-03	103_DUP-1	Water	04/26/2021	04/26/2021
21D1189-04	104_FB-1	Water	04/26/2021	04/26/2021
21D1189-05	105_LMW-5	Water	04/26/2021	04/26/2021
21D1189-06	106_LMW-9	Water	04/26/2021	04/26/2021
21D1189-07	107_LMW-14	Water	04/26/2021	04/26/2021
21D1189-08	108_LMW-12	Water	04/26/2021	04/26/2021
21D1189-09	109_LMW-11	Water	04/26/2021	04/26/2021
21D1189-10	110_LMW-10	Water	04/26/2021	04/26/2021
21D1189-11	111_LMW-13	Water	04/26/2021	04/26/2021
21D1189-12	112_TB-1	Water	04/26/2021	04/26/2021

General Notes for York Project (SDG) No.: 21D1189

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: 05/04/2021





Sample Information

Client Sample ID: 101_LMW-8

York Sample ID: 21D1189-01

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 8:55 am	<u>Date Received</u> 04/26/2021
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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	04/27/2021 06:47	04/27/2021 14:46	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	04/27/2021 06:47	04/27/2021 14:46	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	04/27/2021 06:47	04/27/2021 14:46	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	04/27/2021 06:47	04/27/2021 14:46	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	04/27/2021 06:47	04/27/2021 14:46	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	04/27/2021 06:47	04/27/2021 14:46	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	04/27/2021 06:47	04/27/2021 14:46	KHA
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 14:46	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	04/27/2021 06:47	04/27/2021 14:46	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	04/27/2021 06:47	04/27/2021 14:46	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	04/27/2021 06:47	04/27/2021 14:46	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	04/27/2021 06:47	04/27/2021 14:46	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	04/27/2021 06:47	04/27/2021 14:46	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	04/27/2021 06:47	04/27/2021 14:46	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	04/27/2021 06:47	04/27/2021 14:46	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	04/27/2021 06:47	04/27/2021 14:46	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	04/27/2021 06:47	04/27/2021 14:46	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	04/27/2021 06:47	04/27/2021 14:46	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	04/27/2021 06:47	04/27/2021 14:46	KHA
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	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	04/27/2021 06:47	04/27/2021 14:46	KHA



Sample Information

Client Sample ID: 101_LMW-8

York Sample ID: 21D1189-01

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 8:55 am	<u>Date Received</u> 04/26/2021
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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
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
78-93-3	2-Butanone	0.570		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	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	04/27/2021 06:47	04/27/2021 14:46	KHA
67-64-1	Acetone	2.93		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
71-43-2	Benzene	0.360		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
75-15-0	Carbon disulfide	1.89		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
67-66-3	Chloroform	0.280		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA



Sample Information

Client Sample ID: 101_LMW-8

York Sample ID: 21D1189-01

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 8:55 am	<u>Date Received</u> 04/26/2021
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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
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	04/27/2021 06:47	04/27/2021 14:46	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	04/27/2021 06:47	04/27/2021 14:46	KHA
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	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	04/27/2021 06:47	04/27/2021 14:46	KHA
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	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	04/27/2021 06:47	04/27/2021 14:46	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
75-65-0	tert-Butyl alcohol (TBA)	4.84		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA



Sample Information

Client Sample ID: 101_LMW-8

York Sample ID: 21D1189-01

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 8:55 am	<u>Date Received</u> 04/26/2021
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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
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	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	04/27/2021 06:47	04/27/2021 14:46	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	04/27/2021 06:47	04/27/2021 14:46	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:46	KHA
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 14:46	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	112 %			70-130						
2037-26-5	Surrogate: SURR: Toluene-d8	105 %			70-130						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	89.7 %			70-130						

Semivolatiles, 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	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD



Sample Information

Client Sample ID: 101_LMW-8

York Sample ID: 21D1189-01

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 8:55 am	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
91-58-7	2-Chloronaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
95-57-8	2-Chlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
91-57-6	2-Methylnaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
95-48-7	2-Methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
88-74-4	2-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
88-75-5	2-Nitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
99-09-2	3-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	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	04/27/2021 07:58	04/29/2021 22:11	CD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
106-47-8	4-Chloroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
100-01-6	4-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD



Sample Information

Client Sample ID: 101_LMW-8

York Sample ID: 21D1189-01

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 8:55 am	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
98-86-2	Acetophenone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
62-53-3	Aniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
100-52-7	Benzaldehyde	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
92-87-5	Benzidine	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
65-85-0	Benzoic acid	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
100-51-6	Benzyl alcohol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.08	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
105-60-2	Caprolactam	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
86-74-8	Carbazole	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
132-64-9	Dibenzofuran	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
84-66-2	Diethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
131-11-3	Dimethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.41	10.8	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
78-59-1	Isophorone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	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	04/27/2021 07:58	04/29/2021 22:11	CD
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD



Sample Information

Client Sample ID: 101_LMW-8

York Sample ID: 21D1189-01

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 8:55 am	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
108-95-2	Phenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
110-86-1	Pyridine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 22:11	CD
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	23.5 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	17.9 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	47.6 %	S-08		50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	50.0 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	58.7 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	57.0 %			30.7-106						

Semivolatiles, 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	0.184		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 18:50	CD
208-96-8	Acenaphthylene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 18:50	CD
120-12-7	Anthracene	0.0649		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 18:50	CD
1912-24-9	Atrazine	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 18:50	CD
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 18:50	CD
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 18:50	CD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 18:50	CD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 18:50	CD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 18:50	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 18:50	CD
218-01-9	Chrysene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 18:50	CD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 18:50	CD
206-44-0	Fluoranthene	0.0649		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 18:50	CD



Sample Information

Client Sample ID: 101_LMW-8

York Sample ID: 21D1189-01

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 8:55 am	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
86-73-7	Fluorene	0.151		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 18:50	CD
118-74-1	Hexachlorobenzene	ND		ug/L	0.0216	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 18:50	CD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 18:50	CD
67-72-1	Hexachloroethane	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 18:50	CD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 18:50	CD
91-20-3	Naphthalene	0.259		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 18:50	CD
98-95-3	Nitrobenzene	ND		ug/L	0.270	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 18:50	CD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 18:50	CD
87-86-5	Pentachlorophenol	ND		ug/L	0.270	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 18:50	CD
85-01-8	Phenanthrene	0.216		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 18:50	CD
129-00-0	Pyrene	0.0757		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 18:50	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	04/29/2021 08:30	04/30/2021 11:17	KH
	Surrogate Recoveries	Result					Acceptance Range			
17647-74-4	Surrogate: 1,4-Dioxane-d8	72.0 %					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)	5.33		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 19:07	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	34.1		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 19:07	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	23.5		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 19:07	WL



Sample Information

Client Sample ID: 101_LMW-8

York Sample ID: 21D1189-01

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 8:55 am	<u>Date Received</u> 04/26/2021
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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
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	4.55		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 19:07	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	73.5		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 19:07	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	5.33		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 19:07	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 19:07	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 19:07	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 19:07	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 19:07	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 19:07	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 19:07	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 19:07	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 19:07	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	24.2		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 19:07	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 19:07	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 19:07	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 19:07	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.84	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 19:07	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 19:07	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	15.7		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 19:07	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	100 %	25-150
Surrogate: M5PFHxA	51.5 %	25-150
Surrogate: M4PFHpA	59.3 %	25-150
Surrogate: M3PFHxS	132 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	102 %	25-150



Sample Information

Client Sample ID: 101_LMW-8

York Sample ID: 21D1189-01

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 8:55 am	<u>Date Received</u> 04/26/2021
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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
	Surrogate: M6PFDA	169 %								
	Surrogate: M7PFUdA	160 %								
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	157 %								
	Surrogate: M2PFTeDA	123 %								
	Surrogate: Perfluoro-n-[13C4]butanoic aci	5.71 %								
	Surrogate: Perfluoro-1-[13C8]octanesulfor	167 %								
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	29.0 %								
	Surrogate: Perfluoro-1-[13C8]octanesulfor	29.1 %								
	Surrogate: d3-N-MeFOSAA	115 %								
	Surrogate: d5-N-EtFOSAA	185 %								
	Surrogate: M2-6:2 FTS	261 %								
	Surrogate: M2-8:2 FTS	149 %								
	Surrogate: M9PFNA	127 %								

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	04/28/2021 07:56	04/30/2021 12:07	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:07	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:07	CM
309-00-2	Aldrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:07	CM
319-84-6	alpha-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:07	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:07	CM
319-85-7	beta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:07	CM
319-86-8	delta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:07	CM
60-57-1	Dieldrin	ND		ug/L	0.00205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:07	CM
959-98-8	Endosulfan I	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:07	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:07	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:07	CM



Sample Information

Client Sample ID: 101_LMW-8

York Sample ID: 21D1189-01

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 8:55 am	<u>Date Received</u> 04/26/2021
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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
72-20-8	Endrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:07	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:07	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:07	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:07	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:07	CM
76-44-8	Heptachlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:07	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:07	CM
72-43-5	Methoxychlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:07	CM
8001-35-2	Toxaphene	ND		ug/L	0.103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:07	CM
	* Chlordane, total (alpha, gamma)	ND		ug/L	0.0103	1	EPA 8081B Certifications:	04/28/2021 07:56	04/30/2021 12:07	CM
	Surrogate Recoveries	Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	43.7 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	59.6 %					30-150			

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 20:17	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 20:17	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 20:17	BJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 20:17	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 20:17	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 20:17	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 20:17	BJ



Sample Information

Client Sample ID: 101_LMW-8

York Sample ID: 21D1189-01

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 8:55 am	<u>Date Received</u> 04/26/2021
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Polychlorinated Biphenyls (PCB), 8082 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
1336-36-3	* Total PCBs	ND		ug/L	0.0513	1	EPA 8082A Certifications:	04/28/2021 07:56	04/29/2021 20:17	BJ
Surrogate Recoveries		Result			Acceptance Range					
877-09-8	Surrogate: Tetrachloro-m-xylene	73.5 %			30-150					
2051-24-3	Surrogate: Decachlorobiphenyl	51.5 %			30-150					

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	04/29/2021 08:48	04/29/2021 18:34	BJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:48	04/29/2021 18:34	BJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:48	04/29/2021 18:34	BJ
Surrogate Recoveries		Result			Acceptance Range					
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 82.0 %				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	0.0590		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:46	WJM
7440-39-3	Barium	0.144		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:46	WJM
7440-70-2	Calcium	281		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:46	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:46	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:46	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:46	WJM
7439-89-6	Iron	25.9		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:46	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:46	WJM
7439-95-4	Magnesium	29.4		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:46	WJM



Sample Information

Client Sample ID: 101_LMW-8

York Sample ID: 21D1189-01

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 8:55 am	<u>Date Received</u> 04/26/2021
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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
7439-96-5	Manganese	0.976		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:46	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:46	WJM
7440-09-7	Potassium	22.4		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:46	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:46	WJM
7440-23-5	Sodium	55.3		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:46	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:46	WJM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:46	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	04/27/2021 08:52	04/30/2021 12:43	WJM
7440-39-3	Barium	0.0666		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:43	WJM
7440-70-2	Calcium	276	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:43	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:43	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:43	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:43	WJM
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:43	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:43	WJM
7439-95-4	Magnesium	29.5		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:43	WJM
7439-96-5	Manganese	0.871		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:43	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:43	WJM
7440-09-7	Potassium	22.8		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:43	WJM



Sample Information

Client Sample ID: 101_LMW-8

York Sample ID: 21D1189-01

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 8:55 am	<u>Date Received</u> 04/26/2021
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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
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:43	WJM
7440-23-5	Sodium	47.1		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:43	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:43	WJM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:43	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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 12:34	BML
7440-38-2	Arsenic	0.00759		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 12:34	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 12:34	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 12:34	BML
7782-49-2	Selenium	0.00151	B	mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 12:34	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 12:34	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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 12:38	BML
7440-38-2	Arsenic	0.00196		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 12:38	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 12:38	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 12:38	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 12:38	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 12:38	BML



Sample Information

Client Sample ID: 101_LMW-8

York Sample ID: 21D1189-01

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 21D1189, 100688801, Water, April 26, 2021 8:55 am, 04/26/2021

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7439-97-6, Mercury, ND, mg/L, 0.0002, 1, EPA 7470, 04/26/2021 17:39, 04/26/2021 17:39, AA. Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP

Mercury, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7439-97-6, Mercury, ND, mg/L, 0.0002, 1, EPA 7470, 04/26/2021 17:45, 04/26/2021 17:45, AA. Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 18540-29-9, Chromium, Hexavalent, ND, mg/L, 0.0100, 1, EPA 7196A, 04/26/2021 18:31, 04/26/2021 20:13, ZTS. Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 16065-83-1, * Chromium, Trivalent, ND, mg/L, 0.0100, 1, Calculation, 05/03/2021 13:34, 05/03/2021 15:31, PAM. Certifications:

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 57-12-5, Cyanide, total, ND, mg/L, 0.0100, 1, SM 4500 CN C/E, 04/29/2021 08:07, 04/29/2021 16:49, OT. Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP



Sample Information

Client Sample ID: 102_LMW-7

York Sample ID: 21D1189-02

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 9:00 am	<u>Date Received</u> 04/26/2021
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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	04/27/2021 06:47	04/27/2021 18:23	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	04/27/2021 06:47	04/27/2021 18:23	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	04/27/2021 06:47	04/27/2021 18:23	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	04/27/2021 06:47	04/27/2021 18:23	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	04/27/2021 06:47	04/27/2021 18:23	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	04/27/2021 06:47	04/27/2021 18:23	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	04/27/2021 06:47	04/27/2021 18:23	KHA
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 18:23	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	04/27/2021 06:47	04/27/2021 18:23	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	04/27/2021 06:47	04/27/2021 18:23	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	04/27/2021 06:47	04/27/2021 18:23	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	04/27/2021 06:47	04/27/2021 18:23	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	04/27/2021 06:47	04/27/2021 18:23	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	04/27/2021 06:47	04/27/2021 18:23	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	04/27/2021 06:47	04/27/2021 18:23	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	04/27/2021 06:47	04/27/2021 18:23	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	04/27/2021 06:47	04/27/2021 18:23	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	04/27/2021 06:47	04/27/2021 18:23	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	04/27/2021 06:47	04/27/2021 18:23	KHA
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	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	04/27/2021 06:47	04/27/2021 18:23	KHA



Sample Information

Client Sample ID: 102_LMW-7

York Sample ID: 21D1189-02

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 9:00 am	<u>Date Received</u> 04/26/2021
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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
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	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	04/27/2021 06:47	04/27/2021 18:23	KHA
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA



Sample Information

Client Sample ID: 102_LMW-7

York Sample ID: 21D1189-02

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 9:00 am	<u>Date Received</u> 04/26/2021
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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
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	04/27/2021 06:47	04/27/2021 18:23	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	04/27/2021 06:47	04/27/2021 18:23	KHA
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	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	04/27/2021 06:47	04/27/2021 18:23	KHA
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	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	04/27/2021 06:47	04/27/2021 18:23	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
75-65-0	tert-Butyl alcohol (TBA)	1.20		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA



Sample Information

Client Sample ID: 102_LMW-7

York Sample ID: 21D1189-02

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 9:00 am	<u>Date Received</u> 04/26/2021
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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
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	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	04/27/2021 06:47	04/27/2021 18:23	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	04/27/2021 06:47	04/27/2021 18:23	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:23	KHA
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 18:23	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	111 %			70-130						
2037-26-5	Surrogate: SURR: Toluene-d8	104 %			70-130						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	92.8 %			70-130						

Semivolatiles, 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	04/27/2021 07:58	04/30/2021 00:03	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD



Sample Information

Client Sample ID: 102_LMW-7

York Sample ID: 21D1189-02

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 9:00 am	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
91-58-7	2-Chloronaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
95-57-8	2-Chlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
91-57-6	2-Methylnaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
95-48-7	2-Methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
88-74-4	2-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
88-75-5	2-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
99-09-2	3-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	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	04/27/2021 07:58	04/30/2021 00:03	CD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
106-47-8	4-Chloroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
100-01-6	4-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD



Sample Information

Client Sample ID: 102_LMW-7

York Sample ID: 21D1189-02

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 9:00 am	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		ug/L	5.26	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
98-86-2	Acetophenone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
62-53-3	Aniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
100-52-7	Benzaldehyde	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
92-87-5	Benzidine	ND		ug/L	5.26	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
65-85-0	Benzoic acid	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
100-51-6	Benzyl alcohol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.05	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
105-60-2	Caprolactam	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
86-74-8	Carbazole	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
132-64-9	Dibenzofuran	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
84-66-2	Diethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
131-11-3	Dimethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.26	10.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD
78-59-1	Isophorone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	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	04/27/2021 07:58	04/30/2021 00:03	CD
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:03	CD



Sample Information

Client Sample ID: 102_LMW-7

York Sample ID: 21D1189-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 9:00 am

04/26/2021

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Phenol, Pyridine, and Surrogate Recoveries.

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Acenaphthene, Anthracene, Bis(2-ethylhexyl)phthalate, and Fluoranthene.



Sample Information

Client Sample ID: 102_LMW-7

York Sample ID: 21D1189-02

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 9:00 am	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
86-73-7	Fluorene	0.600		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 19:23	CD
118-74-1	Hexachlorobenzene	ND		ug/L	0.0211	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 19:23	CD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 19:23	CD
67-72-1	Hexachloroethane	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 19:23	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	04/27/2021 07:58	04/28/2021 19:23	CD
91-20-3	Naphthalene	0.789		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 19:23	CD
98-95-3	Nitrobenzene	ND		ug/L	0.263	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 19:23	CD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 19:23	CD
87-86-5	Pentachlorophenol	ND		ug/L	0.263	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 19:23	CD
85-01-8	Phenanthrene	1.13		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 19:23	CD
129-00-0	Pyrene	0.211		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 19:23	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	05/03/2021 07:54	05/03/2021 18:29	KH
	Surrogate Recoveries	Result					Acceptance Range			
17647-74-4	Surrogate: 1,4-Dioxane-d8	84.0 %					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)	3.73		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:14	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	12.5		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:14	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	25.3		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:14	WL



Sample Information

Client Sample ID: 102_LMW-7

York Sample ID: 21D1189-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 9:00 am

04/26/2021

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
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	24.2		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:14	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	43.4		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:14	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	27.5		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:14	WL
375-95-1	* Perfluorononanoic acid (PFNA)	2.09		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:14	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:14	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:14	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:14	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:14	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:14	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:14	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:14	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	7.58		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:14	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:14	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	1.91		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:14	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:14	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.73	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:14	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:14	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	11.0		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:14	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS

82.1 %

25-150

Surrogate: M5PFHxA

60.5 %

25-150

Surrogate: M4PFHpA

53.9 %

25-150

Surrogate: M3PFHxS

95.7 %

25-150

Surrogate: Perfluoro-n-[13C8]octanoic aci

78.3 %

25-150



Sample Information

Client Sample ID: 102_LMW-7

York Sample ID: 21D1189-02

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 9:00 am	<u>Date Received</u> 04/26/2021
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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
	Surrogate: M6PFDA	83.3 %			25-150					
	Surrogate: M7PFUdA	83.4 %			25-150					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	83.6 %			25-150					
	Surrogate: M2PFTeDA	66.0 %			10-150					
	Surrogate: Perfluoro-n-[13C4]butanoic aci	28.0 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	103 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	51.1 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	10.1 %			10-150					
	Surrogate: d3-N-MeFOSAA	56.8 %			25-150					
	Surrogate: d5-N-EtFOSAA	73.5 %			25-150					
	Surrogate: M2-6:2 FTS	154 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	156 %	PFSu-H		25-150					
	Surrogate: M9PFNA	78.0 %			25-150					

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	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:24	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:24	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:24	CM
309-00-2	Aldrin	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:24	CM
319-84-6	alpha-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:24	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:24	CM
319-85-7	beta-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:24	CM
319-86-8	delta-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:24	CM
60-57-1	Dieldrin	ND		ug/L	0.00222	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:24	CM
959-98-8	Endosulfan I	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:24	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:24	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:24	CM



Sample Information

Client Sample ID: 102_LMW-7

York Sample ID: 21D1189-02

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 9:00 am	<u>Date Received</u> 04/26/2021
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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
72-20-8	Endrin	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:24	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:24	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:24	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:24	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:24	CM
76-44-8	Heptachlor	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:24	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:24	CM
72-43-5	Methoxychlor	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:24	CM
8001-35-2	Toxaphene	ND		ug/L	0.111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:24	CM
	* Chlordane, total (alpha, gamma)	ND		ug/L	0.0111	1	EPA 8081B Certifications:	04/28/2021 07:56	04/30/2021 12:24	CM
	Surrogate Recoveries	Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	55.4 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	54.8 %					30-150			

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 20:31	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 20:31	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 20:31	BJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 20:31	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 20:31	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 20:31	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 20:31	BJ



Sample Information

Client Sample ID: 102_LMW-7

York Sample ID: 21D1189-02

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 9:00 am	<u>Date Received</u> 04/26/2021
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Polychlorinated Biphenyls (PCB), 8082 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
1336-36-3	* Total PCBs	ND		ug/L	0.0556	1	EPA 8082A Certifications:	04/28/2021 07:56	04/29/2021 20:31	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	65.0 %	30-150							
2051-24-3	Surrogate: Decachlorobiphenyl	60.5 %	30-150							

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	04/29/2021 08:48	04/29/2021 18:45	BJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:48	04/29/2021 18:45	BJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:48	04/29/2021 18:45	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 78.4 %		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	0.0613		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:49	WJM
7440-39-3	Barium	0.320		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:49	WJM
7440-70-2	Calcium	158		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:49	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:49	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:49	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:49	WJM
7439-89-6	Iron	33.2		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:49	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:49	WJM
7439-95-4	Magnesium	9.91		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:49	WJM



Sample Information

Client Sample ID: 102_LMW-7

York Sample ID: 21D1189-02

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 9:00 am	<u>Date Received</u> 04/26/2021
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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
7439-96-5	Manganese	1.18		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:49	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:49	WJM
7440-09-7	Potassium	5.04		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:49	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:49	WJM
7440-23-5	Sodium	16.3		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:49	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:49	WJM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:49	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	04/27/2021 08:52	04/30/2021 12:46	WJM
7440-39-3	Barium	0.275		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:46	WJM
7440-70-2	Calcium	157	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:46	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:46	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:46	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:46	WJM
7439-89-6	Iron	24.8		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:46	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:46	WJM
7439-95-4	Magnesium	9.70		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:46	WJM
7439-96-5	Manganese	1.18		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:46	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:46	WJM
7440-09-7	Potassium	5.03		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:46	WJM



Sample Information

Client Sample ID: 102_LMW-7

York Sample ID: 21D1189-02

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 9:00 am	<u>Date Received</u> 04/26/2021
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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
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:46	WJM
7440-23-5	Sodium	15.9		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:46	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:46	WJM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:46	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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 12:44	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 12:44	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 12:44	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 12:44	BML
7782-49-2	Selenium	0.00137	B	mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 12:44	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 12:44	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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 12:55	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 12:55	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 12:55	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 12:55	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 12:55	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 12:55	BML



Sample Information

Client Sample ID: 102_LMW-7

York Sample ID: 21D1189-02

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 9:00 am	<u>Date Received</u> 04/26/2021
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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	04/30/2021 00:23	04/30/2021 00:23	AA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

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	04/30/2021 00:34	04/30/2021 00:34	AA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

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	04/26/2021 18:31	04/26/2021 20:13	ZTS
							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	05/03/2021 13:34	05/03/2021 15:31	PAM
							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	04/29/2021 08:07	04/29/2021 16:49	OT
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: 103_DUP-1

York Sample ID: 21D1189-03

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 9:30 am	<u>Date Received</u> 04/26/2021
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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	04/27/2021 06:47	04/27/2021 16:06	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	04/27/2021 06:47	04/27/2021 16:06	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	04/27/2021 06:47	04/27/2021 16:06	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	04/27/2021 06:47	04/27/2021 16:06	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	04/27/2021 06:47	04/27/2021 16:06	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	04/27/2021 06:47	04/27/2021 16:06	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	04/27/2021 06:47	04/27/2021 16:06	KHA
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 16:06	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	04/27/2021 06:47	04/27/2021 16:06	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	04/27/2021 06:47	04/27/2021 16:06	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	04/27/2021 06:47	04/27/2021 16:06	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	04/27/2021 06:47	04/27/2021 16:06	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	04/27/2021 06:47	04/27/2021 16:06	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	04/27/2021 06:47	04/27/2021 16:06	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	04/27/2021 06:47	04/27/2021 16:06	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	04/27/2021 06:47	04/27/2021 16:06	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	04/27/2021 06:47	04/27/2021 16:06	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	04/27/2021 06:47	04/27/2021 16:06	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	04/27/2021 06:47	04/27/2021 16:06	KHA
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:06	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	04/27/2021 06:47	04/27/2021 16:06	KHA



Sample Information

Client Sample ID: 103_DUP-1

York Sample ID: 21D1189-03

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 21D1189, 100688801, Water, April 26, 2021 9:30 am, 04/26/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Main data table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Contains 25 rows of chemical analysis data.



Sample Information

Client Sample ID: 103_DUP-1

York Sample ID: 21D1189-03

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 9:30 am	<u>Date Received</u> 04/26/2021
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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
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	04/27/2021 06:47	04/27/2021 16:06	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	04/27/2021 06:47	04/27/2021 16:06	KHA
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:06	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:06	KHA
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:06	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:06	KHA
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:06	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:06	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:06	KHA
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:06	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	04/27/2021 06:47	04/27/2021 16:06	KHA
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:06	KHA
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:06	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:06	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:06	KHA
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:06	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	04/27/2021 06:47	04/27/2021 16:06	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:06	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:06	KHA
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:06	KHA
75-65-0	tert-Butyl alcohol (TBA)	1.22		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:06	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:06	KHA



Sample Information

Client Sample ID: 103_DUP-1

York Sample ID: 21D1189-03

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 9:30 am	<u>Date Received</u> 04/26/2021
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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
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:06	KHA
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:06	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	04/27/2021 06:47	04/27/2021 16:06	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	04/27/2021 06:47	04/27/2021 16:06	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:06	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:06	KHA
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:06	KHA
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 16:06	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	112 %			70-130						
2037-26-5	Surrogate: SURR: Toluene-d8	103 %			70-130						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	90.2 %			70-130						

Semivolatiles, 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	04/27/2021 07:58	04/30/2021 00:39	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD



Sample Information

Client Sample ID: 103_DUP-1

York Sample ID: 21D1189-03

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 9:30 am	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
91-58-7	2-Chloronaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
95-57-8	2-Chlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
91-57-6	2-Methylnaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
95-48-7	2-Methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
88-74-4	2-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
88-75-5	2-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
99-09-2	3-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	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	04/27/2021 07:58	04/30/2021 00:39	CD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
106-47-8	4-Chloroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
100-01-6	4-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD



Sample Information

Client Sample ID: 103_DUP-1

York Sample ID: 21D1189-03

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 9:30 am	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		ug/L	5.26	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
98-86-2	Acetophenone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
62-53-3	Aniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
100-52-7	Benzaldehyde	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
92-87-5	Benzidine	ND		ug/L	5.26	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
65-85-0	Benzoic acid	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
100-51-6	Benzyl alcohol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.05	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
105-60-2	Caprolactam	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
86-74-8	Carbazole	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
132-64-9	Dibenzofuran	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
84-66-2	Diethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
131-11-3	Dimethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.26	10.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
78-59-1	Isophorone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	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	04/27/2021 07:58	04/30/2021 00:39	CD
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD



Sample Information

Client Sample ID: 103_DUP-1

York Sample ID: 21D1189-03

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 9:30 am	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
108-95-2	Phenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
110-86-1	Pyridine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 00:39	CD
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	28.6 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	20.1 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	60.8 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	60.9 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	65.9 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	70.3 %			30.7-106						

Semivolatiles, 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	0.726		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 19:56	CD
208-96-8	Acenaphthylene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 19:56	CD
120-12-7	Anthracene	0.211		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 19:56	CD
1912-24-9	Atrazine	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 19:56	CD
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 19:56	CD
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 19:56	CD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 19:56	CD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 19:56	CD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 19:56	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 19:56	CD
218-01-9	Chrysene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 19:56	CD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 19:56	CD
206-44-0	Fluoranthene	0.274		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 19:56	CD



Sample Information

Client Sample ID: 103_DUP-1

York Sample ID: 21D1189-03

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 9:30 am	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
86-73-7	Fluorene	0.568		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 19:56	CD
118-74-1	Hexachlorobenzene	ND		ug/L	0.0211	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 19:56	CD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 19:56	CD
67-72-1	Hexachloroethane	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 19:56	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	04/27/2021 07:58	04/28/2021 19:56	CD
91-20-3	Naphthalene	0.726		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 19:56	CD
98-95-3	Nitrobenzene	ND		ug/L	0.263	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 19:56	CD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 19:56	CD
87-86-5	Pentachlorophenol	ND		ug/L	0.263	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 19:56	CD
85-01-8	Phenanthrene	1.04		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 19:56	CD
129-00-0	Pyrene	0.189		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 19:56	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	05/03/2021 07:54	05/03/2021 18:46	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)	3.72		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:36	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	11.7		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:36	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	24.8		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:36	WL



Sample Information

Client Sample ID: 103_DUP-1

York Sample ID: 21D1189-03

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 9:30 am	<u>Date Received</u> 04/26/2021
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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
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	24.7		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:36	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	39.8		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:36	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	26.3		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:36	WL
375-95-1	* Perfluorononanoic acid (PFNA)	2.01		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:36	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:36	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:36	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:36	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:36	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:36	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:36	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:36	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	7.70		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:36	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:36	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:36	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:36	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.84	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:36	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:36	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	9.41		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:36	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	92.8 %	25-150
Surrogate: M5PFHxA	77.3 %	25-150
Surrogate: M4PFHpA	65.9 %	25-150
Surrogate: M3PFHxS	111 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	97.5 %	25-150



Sample Information

Client Sample ID: 103_DUP-1

York Sample ID: 21D1189-03

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 9:30 am	<u>Date Received</u> 04/26/2021
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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
	Surrogate: M6PFDA	94.7 %			25-150					
	Surrogate: M7PFUdA	89.6 %			25-150					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	78.8 %			25-150					
	Surrogate: M2PFTeDA	58.3 %			10-150					
	Surrogate: Perfluoro-n-[13C4]butanoic aci	33.2 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	113 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic a	62.3 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	20.3 %			10-150					
	Surrogate: d3-N-MeFOSAA	57.1 %			25-150					
	Surrogate: d5-N-EtFOSAA	76.0 %			25-150					
	Surrogate: M2-6:2 FTS	143 %			25-150					
	Surrogate: M2-8:2 FTS	120 %			25-150					
	Surrogate: M9PFNA	100 %			25-150					

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	04/28/2021 07:56	04/30/2021 12:41	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:41	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:41	CM
309-00-2	Aldrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:41	CM
319-84-6	alpha-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:41	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:41	CM
319-85-7	beta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:41	CM
319-86-8	delta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:41	CM
60-57-1	Dieldrin	ND		ug/L	0.00205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:41	CM
959-98-8	Endosulfan I	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:41	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:41	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:41	CM



Sample Information

Client Sample ID: 103_DUP-1

York Sample ID: 21D1189-03

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 9:30 am	<u>Date Received</u> 04/26/2021
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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
72-20-8	Endrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:41	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:41	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:41	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:41	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:41	CM
76-44-8	Heptachlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:41	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:41	CM
72-43-5	Methoxychlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:41	CM
8001-35-2	Toxaphene	ND		ug/L	0.103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:41	CM
	* Chlordane, total (alpha, gamma)	ND		ug/L	0.0103	1	EPA 8081B Certifications:	04/28/2021 07:56	04/30/2021 12:41	CM
	Surrogate Recoveries	Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	33.1 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	26.3 %	S-GC				30-150			

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 20:45	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 20:45	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 20:45	BJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 20:45	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 20:45	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 20:45	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 20:45	BJ



Sample Information

Client Sample ID: 103_DUP-1

York Sample ID: 21D1189-03

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 9:30 am	<u>Date Received</u> 04/26/2021
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Polychlorinated Biphenyls (PCB), 8082 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
1336-36-3	* Total PCBs	ND		ug/L	0.0513	1	EPA 8082A Certifications:	04/28/2021 07:56	04/29/2021 20:45	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	32.5 %	30-150							
2051-24-3	Surrogate: Decachlorobiphenyl	32.5 %	30-150							

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	04/29/2021 08:48	04/29/2021 18:55	BJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:48	04/29/2021 18:55	BJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:48	04/29/2021 18:55	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 76.8 %		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	04/27/2021 09:10	04/30/2021 17:52	WJM
7440-39-3	Barium	0.325		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:52	WJM
7440-70-2	Calcium	160		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:52	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:52	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:52	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:52	WJM
7439-89-6	Iron	33.7		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:52	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:52	WJM
7439-95-4	Magnesium	9.91		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:52	WJM



Sample Information

Client Sample ID: 103_DUP-1

York Sample ID: 21D1189-03

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 9:30 am	<u>Date Received</u> 04/26/2021
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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
7439-96-5	Manganese	1.20		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:52	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:52	WJM
7440-09-7	Potassium	4.99		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:52	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:52	WJM
7440-23-5	Sodium	16.5		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:52	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:52	WJM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:52	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	04/27/2021 08:52	04/30/2021 12:49	WJM
7440-39-3	Barium	0.261		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:49	WJM
7440-70-2	Calcium	156	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:49	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:49	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:49	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:49	WJM
7439-89-6	Iron	22.0		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:49	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:49	WJM
7439-95-4	Magnesium	9.76		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:49	WJM
7439-96-5	Manganese	1.16		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:49	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:49	WJM
7440-09-7	Potassium	5.06		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:49	WJM



Sample Information

Client Sample ID: 103_DUP-1

York Sample ID: 21D1189-03

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 9:30 am	<u>Date Received</u> 04/26/2021
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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
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:49	WJM
7440-23-5	Sodium	16.1		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:49	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:49	WJM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:49	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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 12:48	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 12:48	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 12:48	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 12:48	BML
7782-49-2	Selenium	0.00124	B	mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 12:48	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 12:48	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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 12:59	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 12:59	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 12:59	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 12:59	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 12:59	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 12:59	BML



Sample Information

Client Sample ID: 103_DUP-1

York Sample ID: 21D1189-03

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 21D1189, 100688801, Water, April 26, 2021 9:30 am, 04/26/2021

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7439-97-6, Mercury, ND, mg/L, 0.0002, 1, EPA 7470, 04/30/2021 00:23, 04/30/2021 00:23, AA. Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP

Mercury, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7439-97-6, Mercury, ND, mg/L, 0.0002, 1, EPA 7470, 04/30/2021 00:34, 04/30/2021 00:34, AA. Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 18540-29-9, Chromium, Hexavalent, ND, mg/L, 0.0100, 1, EPA 7196A, 04/26/2021 18:31, 04/26/2021 20:13, ZTS. Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 16065-83-1, * Chromium, Trivalent, ND, mg/L, 0.0100, 1, Calculation, 05/03/2021 13:34, 05/03/2021 15:31, PAM. Certifications:

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 57-12-5, Cyanide, total, ND, mg/L, 0.0100, 1, SM 4500 CN C/E, 04/29/2021 08:07, 04/29/2021 16:49, OT. Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP



Sample Information

Client Sample ID: 104_FB-1

York Sample ID: 21D1189-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 10:00 am

04/26/2021

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	04/27/2021 06:47	04/27/2021 13:53	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	04/27/2021 06:47	04/27/2021 13:53	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	04/27/2021 06:47	04/27/2021 13:53	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	04/27/2021 06:47	04/27/2021 13:53	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	04/27/2021 06:47	04/27/2021 13:53	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	04/27/2021 06:47	04/27/2021 13:53	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	04/27/2021 06:47	04/27/2021 13:53	KHA
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 13:53	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	04/27/2021 06:47	04/27/2021 13:53	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	04/27/2021 06:47	04/27/2021 13:53	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	04/27/2021 06:47	04/27/2021 13:53	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	04/27/2021 06:47	04/27/2021 13:53	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	04/27/2021 06:47	04/27/2021 13:53	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	04/27/2021 06:47	04/27/2021 13:53	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	04/27/2021 06:47	04/27/2021 13:53	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	04/27/2021 06:47	04/27/2021 13:53	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	04/27/2021 06:47	04/27/2021 13:53	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	04/27/2021 06:47	04/27/2021 13:53	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	04/27/2021 06:47	04/27/2021 13:53	KHA
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	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	04/27/2021 06:47	04/27/2021 13:53	KHA



Sample Information

Client Sample ID: 104_FB-1

York Sample ID: 21D1189-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 10:00 am

04/26/2021

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
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	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	04/27/2021 06:47	04/27/2021 13:53	KHA
67-64-1	Acetone	1.40		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA



Sample Information

Client Sample ID: 104_FB-1

York Sample ID: 21D1189-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 10:00 am

04/26/2021

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
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	04/27/2021 06:47	04/27/2021 13:53	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	04/27/2021 06:47	04/27/2021 13:53	KHA
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	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	04/27/2021 06:47	04/27/2021 13:53	KHA
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	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	04/27/2021 06:47	04/27/2021 13:53	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
75-65-0	tert-Butyl alcohol (TBA)	0.920		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA



Sample Information

Client Sample ID: 104_FB-1

York Sample ID: 21D1189-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 10:00 am

04/26/2021

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
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	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	04/27/2021 06:47	04/27/2021 13:53	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	04/27/2021 06:47	04/27/2021 13:53	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:53	KHA
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 13:53	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	112 %			70-130						
2037-26-5	Surrogate: SURR: Toluene-d8	103 %			70-130						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	92.4 %			70-130						

Semivolatiles, 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	04/27/2021 07:58	04/30/2021 01:16	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:16	CD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:16	CD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/30/2021 01:16	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:16	CD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/30/2021 01:16	CD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/30/2021 01:16	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:16	CD



Sample Information

Client Sample ID: 104_FB-1

York Sample ID: 21D1189-04

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 10:00 am	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:16	CD
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:16	CD
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:16	CD
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:16	CD
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:16	CD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:16	CD
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:16	CD
91-58-7	2-Chloronaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:16	CD
95-57-8	2-Chlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:16	CD
91-57-6	2-Methylnaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:16	CD
95-48-7	2-Methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:16	CD
88-74-4	2-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:16	CD
88-75-5	2-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:16	CD
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:16	CD
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:16	CD
99-09-2	3-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:16	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	04/27/2021 07:58	04/30/2021 01:16	CD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:16	CD
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:16	CD
106-47-8	4-Chloroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:16	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:16	CD
100-01-6	4-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:16	CD



Sample Information

Client Sample ID: 104_FB-1

York Sample ID: 21D1189-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 10:00 am

04/26/2021

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include 4-Nitrophenol, Acetophenone, Aniline, Benzaldehyde, Benzidine, Benzoic acid, Benzyl alcohol, Benzyl butyl phthalate, Bis(2-chloroethoxy)methane, Bis(2-chloroethyl)ether, Bis(2-chloroisopropyl)ether, Caprolactam, Carbazole, Dibenzofuran, Diethyl phthalate, Dimethyl phthalate, Di-n-butyl phthalate, Di-n-octyl phthalate, Hexachlorocyclopentadiene, Isophorone, N-nitroso-di-n-propylamine, N-Nitrosodiphenylamine.



Sample Information

Client Sample ID: 104_FB-1

York Sample ID: 21D1189-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 10:00 am

04/26/2021

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Phenol, Pyridine, and Surrogate Recoveries.

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Lists various polycyclic aromatic hydrocarbons (PAHs) and their results.



Sample Information

Client Sample ID: 104_FB-1

York Sample ID: 21D1189-04

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 10:00 am	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
86-73-7	Fluorene	0.284		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 20:29	CD
118-74-1	Hexachlorobenzene	ND		ug/L	0.0211	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 20:29	CD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 20:29	CD
67-72-1	Hexachloroethane	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 20:29	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	04/27/2021 07:58	04/28/2021 20:29	CD
91-20-3	Naphthalene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 20:29	CD
98-95-3	Nitrobenzene	ND		ug/L	0.263	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 20:29	CD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 20:29	CD
87-86-5	Pentachlorophenol	ND		ug/L	0.263	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 20:29	CD
85-01-8	Phenanthrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 20:29	CD
129-00-0	Pyrene	0.0737		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 20:29	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	04/29/2021 08:30	04/30/2021 13:00	KH
	Surrogate Recoveries	Result					Acceptance Range			
17647-74-4	Surrogate: 1,4-Dioxane-d8	52.0 %					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	1.79	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:58	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:58	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:58	WL



Sample Information

Client Sample ID: 104_FB-1

York Sample ID: 21D1189-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 10:00 am

04/26/2021

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
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:58	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:58	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:58	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:58	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:58	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:58	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:58	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:58	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:58	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.79	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:58	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.79	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:58	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:58	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:58	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:58	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:58	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.46	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:58	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:58	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 20:58	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS

95.3 %

25-150

Surrogate: M5PFHxA

95.1 %

25-150

Surrogate: M4PFHpA

88.3 %

25-150

Surrogate: M3PFHxS

90.1 %

25-150

Surrogate: Perfluoro-n-[13C8]octanoic acid

89.0 %

25-150



Sample Information

Client Sample ID: 104_FB-1

York Sample ID: 21D1189-04

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 10:00 am	<u>Date Received</u> 04/26/2021
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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
	Surrogate: M6PFDA	82.2 %			25-150					
	Surrogate: M7PFUdA	82.8 %			25-150					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	77.9 %			25-150					
	Surrogate: M2PFTeDA	64.7 %			10-150					
	Surrogate: Perfluoro-n-[13C4]butanoic aci	102 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	101 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	91.6 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	49.8 %			10-150					
	Surrogate: d3-N-MeFOSAA	59.6 %			25-150					
	Surrogate: d5-N-EtFOSAA	83.1 %			25-150					
	Surrogate: M2-6:2 FTS	75.4 %			25-150					
	Surrogate: M2-8:2 FTS	62.9 %			25-150					
	Surrogate: M9PFNA	89.9 %			25-150					

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	04/28/2021 07:56	04/30/2021 12:58	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:58	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:58	CM
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:58	CM
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:58	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:58	CM
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:58	CM
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:58	CM
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:58	CM
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:58	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:58	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:58	CM



Sample Information

Client Sample ID: 104_FB-1

York Sample ID: 21D1189-04

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 10:00 am	<u>Date Received</u> 04/26/2021
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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
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:58	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:58	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:58	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:58	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:58	CM
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:58	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:58	CM
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:58	CM
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 12:58	CM
	* Chlordane, total (alpha, gamma)	ND		ug/L	0.0100	1	EPA 8081B Certifications:	04/28/2021 07:56	04/30/2021 12:58	CM
	Surrogate Recoveries	Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	77.7 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	83.4 %					30-150			

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 20:58	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 20:58	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 20:58	BJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 20:58	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 20:58	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 20:58	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 20:58	BJ



Sample Information

Client Sample ID: 104_FB-1

York Sample ID: 21D1189-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 10:00 am

04/26/2021

Polychlorinated Biphenyls (PCB), 8082 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
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A	04/28/2021 07:56	04/29/2021 20:58	BJ
Certifications:										
Surrogate Recoveries		Result					Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	92.0 %					30-150			
2051-24-3	Surrogate: Decachlorobiphenyl	77.0 %					30-150			

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	04/30/2021 07:32	04/30/2021 23:18	BJ
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A	04/30/2021 07:32	04/30/2021 23:18	BJ
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A	04/30/2021 07:32	04/30/2021 23:18	BJ
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										
Surrogate Recoveries		Result					Acceptance Range			
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 93.8 %						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	04/27/2021 09:10	04/30/2021 17:55	WJM
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D	04/27/2021 09:10	04/30/2021 17:55	WJM
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										
7440-70-2	Calcium	ND		mg/L	0.0556	1	EPA 6010D	04/27/2021 09:10	04/30/2021 17:55	WJM
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D	04/27/2021 09:10	04/30/2021 17:55	WJM
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D	04/27/2021 09:10	04/30/2021 17:55	WJM
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D	04/27/2021 09:10	04/30/2021 17:55	WJM
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	04/27/2021 09:10	04/30/2021 17:55	WJM
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D	04/27/2021 09:10	04/30/2021 17:55	WJM
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010D	04/27/2021 09:10	04/30/2021 17:55	WJM
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										



Sample Information

Client Sample ID: 104_FB-1

York Sample ID: 21D1189-04

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 10:00 am	<u>Date Received</u> 04/26/2021
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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
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:55	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:55	WJM
7440-09-7	Potassium	0.0611		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:55	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:55	WJM
7440-23-5	Sodium	ND		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:55	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:55	WJM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:55	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	04/27/2021 08:52	04/30/2021 12:52	WJM
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:52	WJM
7440-70-2	Calcium	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:52	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:52	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:52	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:52	WJM
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:52	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:52	WJM
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:52	WJM
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:52	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:52	WJM
7440-09-7	Potassium	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:52	WJM



Sample Information

Client Sample ID: 104_FB-1

York Sample ID: 21D1189-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 10:00 am

04/26/2021

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
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:52	WJM
7440-23-5	Sodium	ND		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:52	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:52	WJM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 12:52	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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 12:51	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 12:51	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 12:51	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 12:51	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 12:51	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 12:51	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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:02	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:02	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:02	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:02	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:02	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:02	BML



Sample Information

Client Sample ID: 104_FB-1

York Sample ID: 21D1189-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 10:00 am

04/26/2021

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7439-97-6, Mercury, ND, mg/L, 0.0002, 1, EPA 7470, 04/30/2021 00:23, 04/30/2021 00:23, AA. Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP

Mercury, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7439-97-6, Mercury, ND, mg/L, 0.0002, 1, EPA 7470, 04/30/2021 00:34, 04/30/2021 00:34, AA. Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 18540-29-9, Chromium, Hexavalent, ND, mg/L, 0.0100, 1, EPA 7196A, 04/26/2021 18:31, 04/26/2021 20:13, ZTS. Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 16065-83-1, * Chromium, Trivalent, ND, mg/L, 0.0100, 1, Calculation, 05/03/2021 13:34, 05/03/2021 15:31, PAM. Certifications:

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 57-12-5, Cyanide, total, ND, mg/L, 0.0100, 1, SM 4500 CN C/E, 04/29/2021 08:07, 04/29/2021 16:49, OT. Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP



Sample Information

Client Sample ID: 105_LMW-5

York Sample ID: 21D1189-05

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 10:55 am	<u>Date Received</u> 04/26/2021
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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	04/27/2021 06:47	04/27/2021 16:32	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	04/27/2021 06:47	04/27/2021 16:32	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	04/27/2021 06:47	04/27/2021 16:32	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	04/27/2021 06:47	04/27/2021 16:32	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	04/27/2021 06:47	04/27/2021 16:32	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	04/27/2021 06:47	04/27/2021 16:32	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	04/27/2021 06:47	04/27/2021 16:32	KHA
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 16:32	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	04/27/2021 06:47	04/27/2021 16:32	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	04/27/2021 06:47	04/27/2021 16:32	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	04/27/2021 06:47	04/27/2021 16:32	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	04/27/2021 06:47	04/27/2021 16:32	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	04/27/2021 06:47	04/27/2021 16:32	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	04/27/2021 06:47	04/27/2021 16:32	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	04/27/2021 06:47	04/27/2021 16:32	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	04/27/2021 06:47	04/27/2021 16:32	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	04/27/2021 06:47	04/27/2021 16:32	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	04/27/2021 06:47	04/27/2021 16:32	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	04/27/2021 06:47	04/27/2021 16:32	KHA
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	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	04/27/2021 06:47	04/27/2021 16:32	KHA



Sample Information

Client Sample ID: 105_LMW-5

York Sample ID: 21D1189-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 10:55 am

04/26/2021

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
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	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	04/27/2021 06:47	04/27/2021 16:32	KHA
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA



Sample Information

Client Sample ID: 105_LMW-5

York Sample ID: 21D1189-05

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 10:55 am	<u>Date Received</u> 04/26/2021
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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
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	04/27/2021 06:47	04/27/2021 16:32	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	04/27/2021 06:47	04/27/2021 16:32	KHA
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	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	04/27/2021 06:47	04/27/2021 16:32	KHA
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	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	04/27/2021 06:47	04/27/2021 16:32	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	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	04/27/2021 06:47	04/27/2021 16:32	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA



Sample Information

Client Sample ID: 105_LMW-5

York Sample ID: 21D1189-05

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 10:55 am	<u>Date Received</u> 04/26/2021
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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
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	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	04/27/2021 06:47	04/27/2021 16:32	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	04/27/2021 06:47	04/27/2021 16:32	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:32	KHA
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 16:32	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	110 %			70-130						
2037-26-5	Surrogate: SURR: Toluene-d8	104 %			70-130						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	87.9 %			70-130						

Semivolatiles, 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	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD



Sample Information

Client Sample ID: 105_LMW-5

York Sample ID: 21D1189-05

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 10:55 am	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
91-58-7	2-Chloronaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
95-57-8	2-Chlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
91-57-6	2-Methylnaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
95-48-7	2-Methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
88-74-4	2-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
88-75-5	2-Nitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
99-09-2	3-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	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	04/27/2021 07:58	04/30/2021 01:55	CD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
106-47-8	4-Chloroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
100-01-6	4-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD



Sample Information

Client Sample ID: 105_LMW-5

York Sample ID: 21D1189-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 10:55 am

04/26/2021

Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
98-86-2	Acetophenone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
62-53-3	Aniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
100-52-7	Benzaldehyde	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
92-87-5	Benzidine	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
65-85-0	Benzoic acid	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
100-51-6	Benzyl alcohol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.08	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
105-60-2	Caprolactam	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
86-74-8	Carbazole	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
132-64-9	Dibenzofuran	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
84-66-2	Diethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
131-11-3	Dimethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.41	10.8	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
78-59-1	Isophorone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	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	04/27/2021 07:58	04/30/2021 01:55	CD
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD



Sample Information

Client Sample ID: 105_LMW-5

York Sample ID: 21D1189-05

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 10:55 am	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
108-95-2	Phenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
110-86-1	Pyridine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 01:55	CD
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	31.7 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	22.9 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	64.9 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	69.1 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	72.7 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	74.1 %			30.7-106						

Semivolatiles, 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	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 18:31	CD
208-96-8	Acenaphthylene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 18:31	CD
120-12-7	Anthracene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 18:31	CD
1912-24-9	Atrazine	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/29/2021 18:31	CD
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 18:31	CD
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 18:31	CD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 18:31	CD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 18:31	CD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 18:31	CD
117-81-7	Bis(2-ethylhexyl)phthalate	2.99		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/29/2021 18:31	CD
218-01-9	Chrysene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 18:31	CD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 18:31	CD
206-44-0	Fluoranthene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 18:31	CD



Sample Information

Client Sample ID: 105_LMW-5

York Sample ID: 21D1189-05

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 10:55 am	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
86-73-7	Fluorene	0.389		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 18:31	CD
118-74-1	Hexachlorobenzene	ND		ug/L	0.0216	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/29/2021 18:31	CD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/29/2021 18:31	CD
67-72-1	Hexachloroethane	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/29/2021 18:31	CD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 18:31	CD
91-20-3	Naphthalene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 18:31	CD
98-95-3	Nitrobenzene	ND		ug/L	0.270	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/29/2021 18:31	CD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/29/2021 18:31	CD
87-86-5	Pentachlorophenol	ND		ug/L	0.270	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/29/2021 18:31	CD
85-01-8	Phenanthrene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 18:31	CD
129-00-0	Pyrene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 18:31	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	04/29/2021 08:30	04/30/2021 13:35	KH
	Surrogate Recoveries	Result					Acceptance Range			
17647-74-4	Surrogate: 1,4-Dioxane-d8	60.0 %					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	1.85	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 21:43	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 21:43	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	3.59		ng/L	1.85	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 21:43	WL



Sample Information

Client Sample ID: 105_LMW-5

York Sample ID: 21D1189-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 10:55 am

04/26/2021

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
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	2.06		ng/L	1.85	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 21:43	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	29.3		ng/L	1.85	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 21:43	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	2.72		ng/L	1.85	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 21:43	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 21:43	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 21:43	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 21:43	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 21:43	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 21:43	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 21:43	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 21:43	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 21:43	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	1.89		ng/L	1.85	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 21:43	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 21:43	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 21:43	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 21:43	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.63	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 21:43	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 21:43	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	3.61		ng/L	1.85	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 21:43	WL
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		90.8 %	25-150							
Surrogate: M5PFHxA		65.5 %	25-150							
Surrogate: M4PFHpA		56.4 %	25-150							
Surrogate: M3PFHxS		117 %	25-150							
Surrogate: Perfluoro-n-[13C8]octanoic aci		103 %	25-150							



Sample Information

Client Sample ID: 105_LMW-5

York Sample ID: 21D1189-05

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 10:55 am	<u>Date Received</u> 04/26/2021
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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
	Surrogate: M6PFDA	110 %			25-150					
	Surrogate: M7PFUdA	94.2 %			25-150					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	89.7 %			25-150					
	Surrogate: M2PFTeDA	76.8 %			10-150					
	Surrogate: Perfluoro-n-[13C4]butanoic aci	14.6 %	PFSu-L		25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	127 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	44.3 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	26.8 %			10-150					
	Surrogate: d3-N-MeFOSAA	61.0 %			25-150					
	Surrogate: d5-N-EtFOSAA	76.6 %			25-150					
	Surrogate: M2-6:2 FTS	172 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	167 %	PFSu-H		25-150					
	Surrogate: M9PFNA	109 %			25-150					

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	04/28/2021 07:56	04/30/2021 13:15	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:15	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:15	CM
309-00-2	Aldrin	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:15	CM
319-84-6	alpha-BHC	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:15	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:15	CM
319-85-7	beta-BHC	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:15	CM
319-86-8	delta-BHC	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:15	CM
60-57-1	Dieldrin	ND		ug/L	0.00211	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:15	CM
959-98-8	Endosulfan I	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:15	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:15	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:15	CM



Sample Information

Client Sample ID: 105_LMW-5

York Sample ID: 21D1189-05

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 10:55 am	<u>Date Received</u> 04/26/2021
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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
72-20-8	Endrin	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:15	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:15	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:15	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:15	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:15	CM
76-44-8	Heptachlor	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:15	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:15	CM
72-43-5	Methoxychlor	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:15	CM
8001-35-2	Toxaphene	ND		ug/L	0.105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:15	CM
	* Chlordane, total (alpha, gamma)	ND		ug/L	0.0105	1	EPA 8081B Certifications:	04/28/2021 07:56	04/30/2021 13:15	CM
	Surrogate Recoveries	Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	64.7 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	66.9 %					30-150			

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 21:12	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 21:12	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 21:12	BJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 21:12	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 21:12	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 21:12	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 21:12	BJ



Sample Information

Client Sample ID: 105_LMW-5

York Sample ID: 21D1189-05

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 10:55 am	<u>Date Received</u> 04/26/2021
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Polychlorinated Biphenyls (PCB), 8082 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
1336-36-3	* Total PCBs	ND		ug/L	0.0526	1	EPA 8082A Certifications:	04/28/2021 07:56	04/29/2021 21:12	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	85.5 %	30-150							
2051-24-3	Surrogate: Decachlorobiphenyl	76.5 %	30-150							

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	04/30/2021 07:32	04/30/2021 23:28	BJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2021 07:32	04/30/2021 23:28	BJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2021 07:32	04/30/2021 23:28	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 80.2 %		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	04/27/2021 09:10	04/30/2021 17:59	WJM
7440-39-3	Barium	0.406		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:59	WJM
7440-70-2	Calcium	225		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:59	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:59	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:59	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:59	WJM
7439-89-6	Iron	13.3		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:59	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:59	WJM
7439-95-4	Magnesium	21.8		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:59	WJM



Sample Information

Client Sample ID: 105_LMW-5

York Sample ID: 21D1189-05

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 10:55 am	<u>Date Received</u> 04/26/2021
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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
7439-96-5	Manganese	0.537		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:59	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:59	WJM
7440-09-7	Potassium	12.1		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:59	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:59	WJM
7440-23-5	Sodium	22.1		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:59	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:59	WJM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 17:59	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	04/27/2021 08:52	04/30/2021 13:02	WJM
7440-39-3	Barium	0.346		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:02	WJM
7440-70-2	Calcium	220	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:02	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:02	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:02	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:02	WJM
7439-89-6	Iron	7.78		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:02	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:02	WJM
7439-95-4	Magnesium	21.2		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:02	WJM
7439-96-5	Manganese	0.517		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:02	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:02	WJM
7440-09-7	Potassium	11.4		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:02	WJM



Sample Information

Client Sample ID: 105_LMW-5

York Sample ID: 21D1189-05

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 10:55 am	<u>Date Received</u> 04/26/2021
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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
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:02	WJM
7440-23-5	Sodium	21.1		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:02	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:02	WJM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:02	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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 12:55	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 12:55	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 12:55	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 12:55	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 12:55	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 12:55	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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:06	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:06	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:06	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:06	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:06	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:06	BML



Sample Information

Client Sample ID: 105_LMW-5

York Sample ID: 21D1189-05

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 10:55 am	<u>Date Received</u> 04/26/2021
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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	04/30/2021 00:23	04/30/2021 00:23	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	04/30/2021 00:34	04/30/2021 00:34	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	04/26/2021 18:31	04/26/2021 20:13	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:	05/03/2021 13:34	05/03/2021 15:31	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	04/29/2021 08:07	04/29/2021 16:49	OT



Sample Information

Client Sample ID: 106_LMW-9

York Sample ID: 21D1189-06

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 11:15 am	<u>Date Received</u> 04/26/2021
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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	04/27/2021 06:47	04/27/2021 16:59	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	04/27/2021 06:47	04/27/2021 16:59	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	04/27/2021 06:47	04/27/2021 16:59	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	04/27/2021 06:47	04/27/2021 16:59	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	04/27/2021 06:47	04/27/2021 16:59	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	04/27/2021 06:47	04/27/2021 16:59	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	04/27/2021 06:47	04/27/2021 16:59	KHA
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 16:59	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	04/27/2021 06:47	04/27/2021 16:59	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	04/27/2021 06:47	04/27/2021 16:59	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	04/27/2021 06:47	04/27/2021 16:59	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	04/27/2021 06:47	04/27/2021 16:59	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	04/27/2021 06:47	04/27/2021 16:59	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	04/27/2021 06:47	04/27/2021 16:59	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	04/27/2021 06:47	04/27/2021 16:59	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	04/27/2021 06:47	04/27/2021 16:59	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	04/27/2021 06:47	04/27/2021 16:59	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	04/27/2021 06:47	04/27/2021 16:59	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	04/27/2021 06:47	04/27/2021 16:59	KHA
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	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	04/27/2021 06:47	04/27/2021 16:59	KHA



Sample Information

Client Sample ID: 106_LMW-9

York Sample ID: 21D1189-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 11:15 am

04/26/2021

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
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
78-93-3	2-Butanone	1.30		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	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	04/27/2021 06:47	04/27/2021 16:59	KHA
67-64-1	Acetone	22.2		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA



Sample Information

Client Sample ID: 106_LMW-9

York Sample ID: 21D1189-06

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 11:15 am	<u>Date Received</u> 04/26/2021
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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
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	04/27/2021 06:47	04/27/2021 16:59	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	04/27/2021 06:47	04/27/2021 16:59	KHA
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	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	04/27/2021 06:47	04/27/2021 16:59	KHA
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	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	04/27/2021 06:47	04/27/2021 16:59	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
75-65-0	tert-Butyl alcohol (TBA)	7.54		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA



Sample Information

Client Sample ID: 106_LMW-9

York Sample ID: 21D1189-06

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 11:15 am	<u>Date Received</u> 04/26/2021
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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
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	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	04/27/2021 06:47	04/27/2021 16:59	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	04/27/2021 06:47	04/27/2021 16:59	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 16:59	KHA
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 16:59	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	111 %			70-130						
2037-26-5	Surrogate: SURR: Toluene-d8	105 %			70-130						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	88.1 %			70-130						

Semivolatiles, 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	04/27/2021 07:58	04/30/2021 02:34	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD



Sample Information

Client Sample ID: 106_LMW-9

York Sample ID: 21D1189-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 11:15 am

04/26/2021

Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
91-58-7	2-Chloronaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
95-57-8	2-Chlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
91-57-6	2-Methylnaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
95-48-7	2-Methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
88-74-4	2-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
88-75-5	2-Nitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
99-09-2	3-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	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	04/27/2021 07:58	04/30/2021 02:34	CD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
106-47-8	4-Chloroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
100-01-6	4-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD



Sample Information

Client Sample ID: 106_LMW-9

York Sample ID: 21D1189-06

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 11:15 am	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
98-86-2	Acetophenone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
62-53-3	Aniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
100-52-7	Benzaldehyde	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
92-87-5	Benzidine	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
65-85-0	Benzoic acid	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
100-51-6	Benzyl alcohol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.11	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
105-60-2	Caprolactam	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
86-74-8	Carbazole	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
132-64-9	Dibenzofuran	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
84-66-2	Diethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
131-11-3	Dimethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.56	11.1	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
78-59-1	Isophorone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	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	04/27/2021 07:58	04/30/2021 02:34	CD
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD



Sample Information

Client Sample ID: 106_LMW-9

York Sample ID: 21D1189-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 11:15 am

04/26/2021

Semivolatiles, 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
108-95-2	Phenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
110-86-1	Pyridine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 02:34	CD
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	28.0 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	19.9 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	53.3 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	56.2 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	63.5 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	54.3 %			30.7-106						

Semivolatiles, 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	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:03	CD
208-96-8	Acenaphthylene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:03	CD
120-12-7	Anthracene	0.0556		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:03	CD
1912-24-9	Atrazine	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/29/2021 19:03	CD
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:03	CD
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:03	CD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:03	CD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:03	CD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:03	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/29/2021 19:03	CD
218-01-9	Chrysene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:03	CD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:03	CD
206-44-0	Fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:03	CD



Sample Information

Client Sample ID: 106_LMW-9

York Sample ID: 21D1189-06

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 11:15 am	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
86-73-7	Fluorene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:03	CD
118-74-1	Hexachlorobenzene	ND		ug/L	0.0222	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/29/2021 19:03	CD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/29/2021 19:03	CD
67-72-1	Hexachloroethane	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/29/2021 19:03	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	04/27/2021 07:58	04/29/2021 19:03	CD
91-20-3	Naphthalene	0.0556		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:03	CD
98-95-3	Nitrobenzene	ND		ug/L	0.278	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/29/2021 19:03	CD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/29/2021 19:03	CD
87-86-5	Pentachlorophenol	ND		ug/L	0.278	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/29/2021 19:03	CD
85-01-8	Phenanthrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:03	CD
129-00-0	Pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:03	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	04/29/2021 08:30	04/30/2021 13:53	KH
	Surrogate Recoveries	Result					Acceptance Range			
17647-74-4	Surrogate: 1,4-Dioxane-d8	72.0 %					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)	3.87		ng/L	1.80	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:05	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	18.2		ng/L	1.80	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:05	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	41.4		ng/L	1.80	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:05	WL



Sample Information

Client Sample ID: 106_LMW-9

York Sample ID: 21D1189-06

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 11:15 am	<u>Date Received</u> 04/26/2021
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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
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	8.07		ng/L	1.80	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:05	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	169		ng/L	1.80	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:05	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	10.1		ng/L	1.80	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:05	WL
375-95-1	* Perfluorononanoic acid (PFNA)	2.14		ng/L	1.80	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:05	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.80	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:05	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.80	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:05	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.80	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:05	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.80	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:05	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.80	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:05	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.80	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:05	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.80	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:05	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	21.4		ng/L	1.80	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:05	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.80	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:05	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.80	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:05	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.80	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:05	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.50	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:05	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.80	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:05	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	14.5		ng/L	1.80	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:05	WL
Surrogate Recoveries		Result					Acceptance Range			
Surrogate: M3PFBS		112 %					25-150			
Surrogate: M5PFHxA		44.3 %					25-150			
Surrogate: M4PFHpA		53.7 %					25-150			
Surrogate: M3PFHxS		181 %	PFSu-H			25-150				
Surrogate: Perfluoro-n-[13C8]octanoic aci		100 %					25-150			



Sample Information

Client Sample ID: 106_LMW-9

York Sample ID: 21D1189-06

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 11:15 am	<u>Date Received</u> 04/26/2021
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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
	Surrogate: M6PFDA	216 %								
	Surrogate: M7PFUdA	237 %								
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	207 %								
	Surrogate: M2PFTeDA	172 %								
	Surrogate: Perfluoro-n-[13C4]butanoic aci	5.65 %								
	Surrogate: Perfluoro-1-[13C8]octanesulfor	253 %								
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	22.9 %								
	Surrogate: Perfluoro-1-[13C8]octanesulfor	39.9 %								
	Surrogate: d3-N-MeFOSAA	138 %								
	Surrogate: d5-N-EtFOSAA	252 %								
	Surrogate: M2-6:2 FTS	306 %								
	Surrogate: M2-8:2 FTS	159 %								
	Surrogate: M9PFNA	166 %								

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	04/28/2021 07:56	04/30/2021 13:31	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:31	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:31	CM
309-00-2	Aldrin	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:31	CM
319-84-6	alpha-BHC	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:31	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:31	CM
319-85-7	beta-BHC	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:31	CM
319-86-8	delta-BHC	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:31	CM
60-57-1	Dieldrin	ND		ug/L	0.00211	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:31	CM
959-98-8	Endosulfan I	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:31	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:31	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:31	CM



Sample Information

Client Sample ID: 106_LMW-9

York Sample ID: 21D1189-06

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 11:15 am	<u>Date Received</u> 04/26/2021
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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
72-20-8	Endrin	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:31	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:31	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:31	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:31	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:31	CM
76-44-8	Heptachlor	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:31	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:31	CM
72-43-5	Methoxychlor	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:31	CM
8001-35-2	Toxaphene	ND		ug/L	0.105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:31	CM
	* Chlordane, total (alpha, gamma)	ND		ug/L	0.0105	1	EPA 8081B Certifications:	04/28/2021 07:56	04/30/2021 13:31	CM
	Surrogate Recoveries	Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	52.7 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	58.1 %					30-150			

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 21:26	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 21:26	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 21:26	BJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 21:26	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 21:26	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 21:26	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 21:26	BJ



Sample Information

Client Sample ID: 106_LMW-9

York Sample ID: 21D1189-06

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 11:15 am	<u>Date Received</u> 04/26/2021
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Polychlorinated Biphenyls (PCB), 8082 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
1336-36-3	* Total PCBs	ND		ug/L	0.0526	1	EPA 8082A Certifications:	04/28/2021 07:56	04/29/2021 21:26	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	76.0 %	30-150							
2051-24-3	Surrogate: Decachlorobiphenyl	60.0 %	30-150							

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	04/30/2021 07:32	05/03/2021 13:13	BJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2021 07:32	05/03/2021 13:13	BJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2021 07:32	05/03/2021 13:13	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	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:02	WJM
7440-39-3	Barium	0.306		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:02	WJM
7440-70-2	Calcium	117		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:02	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:02	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:02	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:02	WJM
7439-89-6	Iron	28.2		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:02	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:02	WJM
7439-95-4	Magnesium	22.6		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:02	WJM



Sample Information

Client Sample ID: 106_LMW-9

York Sample ID: 21D1189-06

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 11:15 am	<u>Date Received</u> 04/26/2021
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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
7439-96-5	Manganese	0.605		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:02	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:02	WJM
7440-09-7	Potassium	25.2		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:02	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:02	WJM
7440-23-5	Sodium	150		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:02	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:02	WJM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:02	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	04/27/2021 08:52	04/30/2021 13:05	WJM
7440-39-3	Barium	0.175		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:05	WJM
7440-70-2	Calcium	115	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:05	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:05	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:05	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:05	WJM
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:05	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:05	WJM
7439-95-4	Magnesium	22.5		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:05	WJM
7439-96-5	Manganese	0.582		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:05	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:05	WJM
7440-09-7	Potassium	25.9		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:05	WJM



Sample Information

Client Sample ID: 106_LMW-9

York Sample ID: 21D1189-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 11:15 am

04/26/2021

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
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:05	WJM
7440-23-5	Sodium	145		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:05	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:05	WJM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:05	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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:05	BML
7440-38-2	Arsenic	0.00120		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:05	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:05	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:05	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:05	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:05	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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:09	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:09	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:09	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:09	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:09	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:09	BML



Sample Information

Client Sample ID: 106_LMW-9

York Sample ID: 21D1189-06

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 21D1189, 100688801, Water, April 26, 2021 11:15 am, 04/26/2021

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7439-97-6, Mercury, ND, mg/L, 0.0002, 1, EPA 7470, 04/30/2021 00:23, 04/30/2021 00:23, AA. Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP

Mercury, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7439-97-6, Mercury, ND, mg/L, 0.0002, 1, EPA 7470, 04/30/2021 00:34, 04/30/2021 00:34, AA. Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 18540-29-9, Chromium, Hexavalent, ND, mg/L, 0.0100, 1, EPA 7196A, 04/26/2021 18:31, 04/26/2021 20:13, ZTS. Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 16065-83-1, * Chromium, Trivalent, ND, mg/L, 0.0100, 1, Calculation, 05/03/2021 13:34, 05/03/2021 15:31, PAM. Certifications:

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 57-12-5, Cyanide, total, ND, mg/L, 0.0100, 1, SM 4500 CN C/E, 04/29/2021 08:07, 04/29/2021 16:49, OT. Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP



Sample Information

Client Sample ID: 107_LMW-14

York Sample ID: 21D1189-07

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 12:05 pm	<u>Date Received</u> 04/26/2021
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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	04/27/2021 06:47	04/27/2021 17:25	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	04/27/2021 06:47	04/27/2021 17:25	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	04/27/2021 06:47	04/27/2021 17:25	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	04/27/2021 06:47	04/27/2021 17:25	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	04/27/2021 06:47	04/27/2021 17:25	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	04/27/2021 06:47	04/27/2021 17:25	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	04/27/2021 06:47	04/27/2021 17:25	KHA
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 17:25	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	04/27/2021 06:47	04/27/2021 17:25	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	04/27/2021 06:47	04/27/2021 17:25	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	04/27/2021 06:47	04/27/2021 17:25	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	04/27/2021 06:47	04/27/2021 17:25	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	04/27/2021 06:47	04/27/2021 17:25	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	04/27/2021 06:47	04/27/2021 17:25	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	04/27/2021 06:47	04/27/2021 17:25	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	04/27/2021 06:47	04/27/2021 17:25	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	04/27/2021 06:47	04/27/2021 17:25	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	04/27/2021 06:47	04/27/2021 17:25	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	04/27/2021 06:47	04/27/2021 17:25	KHA
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	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	04/27/2021 06:47	04/27/2021 17:25	KHA



Sample Information

Client Sample ID: 107_LMW-14

York Sample ID: 21D1189-07

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 12:05 pm	<u>Date Received</u> 04/26/2021
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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
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	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	04/27/2021 06:47	04/27/2021 17:25	KHA
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA



Sample Information

Client Sample ID: 107_LMW-14

York Sample ID: 21D1189-07

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 12:05 pm	<u>Date Received</u> 04/26/2021
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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
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	04/27/2021 06:47	04/27/2021 17:25	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	04/27/2021 06:47	04/27/2021 17:25	KHA
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	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	04/27/2021 06:47	04/27/2021 17:25	KHA
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	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	04/27/2021 06:47	04/27/2021 17:25	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
75-65-0	tert-Butyl alcohol (TBA)	1.51		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:25	KHA



Sample Information

Client Sample ID: 107_LMW-14

York Sample ID: 21D1189-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 12:05 pm

04/26/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Tetrachloroethylene, Toluene, trans-1,2-Dichloroethylene, trans-1,3-Dichloropropylene, Trichloroethylene, Trichlorofluoromethane, Vinyl Chloride, Xylenes, Total, and Surrogate Recoveries.

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for 1,1-Biphenyl, 1,2,4,5-Tetrachlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,2-Diphenylhydrazine (as Azobenzene), 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, and 2,3,4,6-Tetrachlorophenol.



Sample Information

Client Sample ID: 107_LMW-14

York Sample ID: 21D1189-07

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 12:05 pm	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 03:14	CD
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 03:14	CD
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 03:14	CD
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 03:14	CD
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 03:14	CD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 03:14	CD
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 03:14	CD
91-58-7	2-Chloronaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 03:14	CD
95-57-8	2-Chlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 03:14	CD
91-57-6	2-Methylnaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 03:14	CD
95-48-7	2-Methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 03:14	CD
88-74-4	2-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 03:14	CD
88-75-5	2-Nitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 03:14	CD
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 03:14	CD
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 03:14	CD
99-09-2	3-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 03:14	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	04/27/2021 07:58	04/30/2021 03:14	CD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 03:14	CD
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 03:14	CD
106-47-8	4-Chloroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 03:14	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 03:14	CD
100-01-6	4-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 03:14	CD



Sample Information

Client Sample ID: 107_LMW-14

York Sample ID: 21D1189-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 12:05 pm

04/26/2021

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include 4-Nitrophenol, Acetophenone, Aniline, Benzaldehyde, Benzidine, Benzoic acid, Benzyl alcohol, Benzyl butyl phthalate, Bis(2-chloroethoxy)methane, Bis(2-chloroethyl)ether, Bis(2-chloroisopropyl)ether, Caprolactam, Carbazole, Dibenzofuran, Diethyl phthalate, Dimethyl phthalate, Di-n-butyl phthalate, Di-n-octyl phthalate, Hexachlorocyclopentadiene, Isophorone, N-nitroso-di-n-propylamine, N-Nitrosodiphenylamine.



Sample Information

Client Sample ID: 107_LMW-14

York Sample ID: 21D1189-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 12:05 pm

04/26/2021

Semivolatiles, 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
108-95-2	Phenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 03:14	CD
110-86-1	Pyridine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 03:14	CD
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	25.7 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	19.5 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	58.4 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	63.8 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	67.1 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	76.3 %			30.7-106						

Semivolatiles, 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	2.63		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:36	CD
208-96-8	Acenaphthylene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:36	CD
120-12-7	Anthracene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:36	CD
1912-24-9	Atrazine	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/29/2021 19:36	CD
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:36	CD
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:36	CD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:36	CD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:36	CD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:36	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/29/2021 19:36	CD
218-01-9	Chrysene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:36	CD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:36	CD
206-44-0	Fluoranthene	0.0541		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:36	CD



Sample Information

Client Sample ID: 107_LMW-14

York Sample ID: 21D1189-07

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 12:05 pm	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
86-73-7	Fluorene	0.119		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:36	CD
118-74-1	Hexachlorobenzene	ND		ug/L	0.0216	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/29/2021 19:36	CD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/29/2021 19:36	CD
67-72-1	Hexachloroethane	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/29/2021 19:36	CD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:36	CD
91-20-3	Naphthalene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:36	CD
98-95-3	Nitrobenzene	ND		ug/L	0.270	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/29/2021 19:36	CD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/29/2021 19:36	CD
87-86-5	Pentachlorophenol	ND		ug/L	0.270	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/29/2021 19:36	CD
85-01-8	Phenanthrene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:36	CD
129-00-0	Pyrene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/29/2021 19:36	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	04/29/2021 08:30	04/30/2021 14:10	KH
	Surrogate Recoveries	Result					Acceptance Range			
17647-74-4	Surrogate: 1,4-Dioxane-d8	60.0 %					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)	1.99		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:28	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:28	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	2.81		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:28	WL



Sample Information

Client Sample ID: 107_LMW-14

York Sample ID: 21D1189-07

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 12:05 pm	<u>Date Received</u> 04/26/2021
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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
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:28	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	18.4		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:28	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	3.26		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:28	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:28	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:28	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:28	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:28	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:28	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:28	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:28	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:28	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:28	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:28	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:28	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:28	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.73	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:28	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:28	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	2.52		ng/L	1.89	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:28	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	100 %	25-150
Surrogate: M5PFHxA	82.4 %	25-150
Surrogate: M4PFHpA	64.1 %	25-150
Surrogate: M3PFHxS	117 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	108 %	25-150



Sample Information

Client Sample ID: 107_LMW-14

York Sample ID: 21D1189-07

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 12:05 pm	<u>Date Received</u> 04/26/2021
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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
	Surrogate: M6PFDA	112 %			25-150					
	Surrogate: M7PFUdA	95.3 %			25-150					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	105 %			25-150					
	Surrogate: M2PFTeDA	83.7 %			10-150					
	Surrogate: Perfluoro-n-[13C4]butanoic aci	31.1 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	124 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	63.6 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	23.2 %			10-150					
	Surrogate: d3-N-MeFOSAA	63.3 %			25-150					
	Surrogate: d5-N-EtFOSAA	75.9 %			25-150					
	Surrogate: M2-6:2 FTS	176 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	231 %	PFSu-H		25-150					
	Surrogate: M9PFNA	107 %			25-150					

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	04/28/2021 07:56	04/30/2021 13:48	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:48	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:48	CM
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:48	CM
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:48	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:48	CM
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:48	CM
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:48	CM
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:48	CM
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:48	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:48	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:48	CM



Sample Information

Client Sample ID: 107_LMW-14

York Sample ID: 21D1189-07

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 12:05 pm	<u>Date Received</u> 04/26/2021
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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
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:48	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:48	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:48	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:48	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:48	CM
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:48	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:48	CM
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:48	CM
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 13:48	CM
	* Chlordane, total (alpha, gamma)	ND		ug/L	0.0100	1	EPA 8081B Certifications:	04/28/2021 07:56	04/30/2021 13:48	CM
	Surrogate Recoveries	Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	55.7 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	54.2 %					30-150			

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 21:39	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 21:39	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 21:39	BJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 21:39	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 21:39	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 21:39	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 21:39	BJ



Sample Information

Client Sample ID: 107_LMW-14

York Sample ID: 21D1189-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 12:05 pm

04/26/2021

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

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

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Total PCBs and surrogate recoveries for Tetrachloro-m-xylene and Decachlorobiphenyl.

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for 2,4,5-T, 2,4,5-TP (Silvex), 2,4-D, and surrogate recoveries for 2,4-Dichlorophenylacetic acid.

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Lists various metals like Aluminum, Barium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium.



Sample Information

Client Sample ID: 107_LMW-14

York Sample ID: 21D1189-07

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 12:05 pm	<u>Date Received</u> 04/26/2021
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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
7439-96-5	Manganese	0.400		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:05	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:05	WJM
7440-09-7	Potassium	11.2		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:05	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:05	WJM
7440-23-5	Sodium	21.0		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:05	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:05	WJM
7440-66-6	Zinc	0.0529		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:05	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	0.224		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:09	WJM
7440-39-3	Barium	0.209		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:09	WJM
7440-70-2	Calcium	226	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:09	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:09	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:09	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:09	WJM
7439-89-6	Iron	2.02		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:09	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:09	WJM
7439-95-4	Magnesium	18.1		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:09	WJM
7439-96-5	Manganese	0.407		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:09	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:09	WJM
7440-09-7	Potassium	11.3		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:09	WJM



Sample Information

Client Sample ID: 107_LMW-14

York Sample ID: 21D1189-07

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 12:05 pm	<u>Date Received</u> 04/26/2021
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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
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:09	WJM
7440-23-5	Sodium	19.9		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:09	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:09	WJM
7440-66-6	Zinc	0.0497		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:09	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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:09	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:09	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:09	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:09	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:09	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:09	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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:13	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:13	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:13	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:13	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:13	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:13	BML



Sample Information

Client Sample ID: 107_LMW-14

York Sample ID: 21D1189-07

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 12:05 pm	<u>Date Received</u> 04/26/2021
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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	04/30/2021 00:23	04/30/2021 00:23	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	04/30/2021 00:34	04/30/2021 00:34	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	04/26/2021 18:31	04/26/2021 20:13	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:	05/03/2021 13:34	05/03/2021 15:31	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	04/29/2021 08:07	04/29/2021 16:49	OT



Sample Information

Client Sample ID: 108_LMW-12

York Sample ID: 21D1189-08

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 12:25 pm	<u>Date Received</u> 04/26/2021
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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	04/27/2021 06:47	04/27/2021 17:56	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	04/27/2021 06:47	04/27/2021 17:56	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	04/27/2021 06:47	04/27/2021 17:56	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	04/27/2021 06:47	04/27/2021 17:56	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	04/27/2021 06:47	04/27/2021 17:56	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	04/27/2021 06:47	04/27/2021 17:56	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	04/27/2021 06:47	04/27/2021 17:56	KHA
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 17:56	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	04/27/2021 06:47	04/27/2021 17:56	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	04/27/2021 06:47	04/27/2021 17:56	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	04/27/2021 06:47	04/27/2021 17:56	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	04/27/2021 06:47	04/27/2021 17:56	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	04/27/2021 06:47	04/27/2021 17:56	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	04/27/2021 06:47	04/27/2021 17:56	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	04/27/2021 06:47	04/27/2021 17:56	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	04/27/2021 06:47	04/27/2021 17:56	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	04/27/2021 06:47	04/27/2021 17:56	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	04/27/2021 06:47	04/27/2021 17:56	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	04/27/2021 06:47	04/27/2021 17:56	KHA
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	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	04/27/2021 06:47	04/27/2021 17:56	KHA



Sample Information

Client Sample ID: 108_LMW-12

York Sample ID: 21D1189-08

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 12:25 pm	<u>Date Received</u> 04/26/2021
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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
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
78-93-3	2-Butanone	0.360		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	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	04/27/2021 06:47	04/27/2021 17:56	KHA
67-64-1	Acetone	3.27		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA



Sample Information

Client Sample ID: 108_LMW-12

York Sample ID: 21D1189-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 12:25 pm

04/26/2021

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
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	04/27/2021 06:47	04/27/2021 17:56	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	04/27/2021 06:47	04/27/2021 17:56	KHA
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	0.330		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	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	04/27/2021 06:47	04/27/2021 17:56	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
75-65-0	tert-Butyl alcohol (TBA)	4.90		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA



Sample Information

Client Sample ID: 108_LMW-12

York Sample ID: 21D1189-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 12:25 pm

04/26/2021

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
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	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	04/27/2021 06:47	04/27/2021 17:56	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	04/27/2021 06:47	04/27/2021 17:56	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 17:56	KHA
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 17:56	KHA
	Surrogate Recoveries	Result						Acceptance Range			
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	113 %						70-130			
2037-26-5	Surrogate: SURR: Toluene-d8	104 %						70-130			
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	84.5 %						70-130			

Semivolatiles, 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	04/27/2021 07:58	04/30/2021 10:53	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD



Sample Information

Client Sample ID: 108_LMW-12

York Sample ID: 21D1189-08

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 12:25 pm	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
91-58-7	2-Chloronaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
95-57-8	2-Chlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
91-57-6	2-Methylnaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
95-48-7	2-Methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
88-74-4	2-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
88-75-5	2-Nitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
99-09-2	3-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	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	04/27/2021 07:58	04/30/2021 10:53	CD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
106-47-8	4-Chloroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
100-01-6	4-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD



Sample Information

Client Sample ID: 108_LMW-12

York Sample ID: 21D1189-08

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 12:25 pm	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
98-86-2	Acetophenone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
62-53-3	Aniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
100-52-7	Benzaldehyde	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
92-87-5	Benzidine	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
65-85-0	Benzoic acid	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
100-51-6	Benzyl alcohol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.11	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
105-60-2	Caprolactam	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
86-74-8	Carbazole	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
132-64-9	Dibenzofuran	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
84-66-2	Diethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
131-11-3	Dimethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.56	11.1	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
78-59-1	Isophorone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	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	04/27/2021 07:58	04/30/2021 10:53	CD
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD



Sample Information

Client Sample ID: 108_LMW-12

York Sample ID: 21D1189-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 12:25 pm

04/26/2021

Semivolatiles, 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
108-95-2	Phenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
110-86-1	Pyridine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:53	CD
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	31.5 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	22.3 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	58.1 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	61.5 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	62.0 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	65.7 %			30.7-106						

Semivolatiles, 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	0.622		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 09:30	CD
208-96-8	Acenaphthylene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 09:30	CD
120-12-7	Anthracene	0.100		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 09:30	CD
1912-24-9	Atrazine	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/30/2021 09:30	CD
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 09:30	CD
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 09:30	CD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 09:30	CD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 09:30	CD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 09:30	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/30/2021 09:30	CD
218-01-9	Chrysene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 09:30	CD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 09:30	CD
206-44-0	Fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 09:30	CD



Sample Information

Client Sample ID: 108_LMW-12

York Sample ID: 21D1189-08

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 12:25 pm	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
86-73-7	Fluorene	0.222		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 09:30	CD
118-74-1	Hexachlorobenzene	ND		ug/L	0.0222	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/30/2021 09:30	CD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/30/2021 09:30	CD
67-72-1	Hexachloroethane	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/30/2021 09:30	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	04/27/2021 07:58	04/30/2021 09:30	CD
91-20-3	Naphthalene	0.0778		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 09:30	CD
98-95-3	Nitrobenzene	ND		ug/L	0.278	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/30/2021 09:30	CD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/30/2021 09:30	CD
87-86-5	Pentachlorophenol	ND		ug/L	0.278	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/30/2021 09:30	CD
85-01-8	Phenanthrene	0.278		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 09:30	CD
129-00-0	Pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 09:30	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	04/29/2021 08:30	04/30/2021 14:27	KH
	Surrogate Recoveries	Result					Acceptance Range			
17647-74-4	Surrogate: 1,4-Dioxane-d8	80.0 %					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)	4.82		ng/L	1.95	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:50	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	7.71		ng/L	1.95	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:50	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	12.3		ng/L	1.95	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:50	WL



Sample Information

Client Sample ID: 108_LMW-12

York Sample ID: 21D1189-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 12:25 pm

04/26/2021

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
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	6.76		ng/L	1.95	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:50	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	70.3		ng/L	1.95	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:50	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	23.4		ng/L	1.95	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:50	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.95	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:50	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.95	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:50	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.95	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:50	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.95	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:50	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.95	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:50	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.95	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:50	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.95	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:50	WL
2991-50-6	* N-EtFOSAA	2.52		ng/L	1.95	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:50	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	9.82		ng/L	1.95	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:50	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.95	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:50	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.95	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:50	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.95	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:50	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.88	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:50	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.95	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:50	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	10.1		ng/L	1.95	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 22:50	WL
Surrogate Recoveries		Result					Acceptance Range			
Surrogate: M3PFBS		133 %					25-150			
Surrogate: M5PFHxA		65.7 %					25-150			
Surrogate: M4PFHpA		63.3 %					25-150			
Surrogate: M3PFHxS		171 %	PFSu-H				25-150			
Surrogate: Perfluoro-n-[13C8]octanoic aci		102 %					25-150			



Sample Information

Client Sample ID: 108_LMW-12

York Sample ID: 21D1189-08

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 12:25 pm	<u>Date Received</u> 04/26/2021
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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
	Surrogate: M6PFDA	159 %								
	Surrogate: M7PFUdA	163 %								
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	164 %								
	Surrogate: M2PFTeDA	157 %								
	Surrogate: Perfluoro-n-[13C4]butanoic aci	14.5 %								
	Surrogate: Perfluoro-1-[13C8]octanesulfor	219 %								
	Surrogate: Perfluoro-n-[13C5]pentanoic a	45.3 %								
	Surrogate: Perfluoro-1-[13C8]octanesulfor	14.5 %								
	Surrogate: d3-N-MeFOSAA	96.6 %								
	Surrogate: d5-N-EtFOSAA	131 %								
	Surrogate: M2-6:2 FTS	294 %	PFSu-H							
	Surrogate: M2-8:2 FTS	171 %	PFSu-H							
	Surrogate: M9PFNA	129 %								

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	04/28/2021 07:56	04/30/2021 14:05	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:05	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:05	CM
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:05	CM
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:05	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:05	CM
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:05	CM
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:05	CM
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:05	CM
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:05	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:05	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:05	CM



Sample Information

Client Sample ID: 108_LMW-12

York Sample ID: 21D1189-08

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 12:25 pm	<u>Date Received</u> 04/26/2021
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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
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:05	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:05	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:05	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:05	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:05	CM
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:05	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:05	CM
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:05	CM
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:05	CM
	* Chlordane, total (alpha, gamma)	ND		ug/L	0.0100	1	EPA 8081B Certifications:	04/28/2021 07:56	04/30/2021 14:05	CM
	Surrogate Recoveries	Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	44.1 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	58.9 %					30-150			

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 21:53	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 21:53	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 21:53	BJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 21:53	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 21:53	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 21:53	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 21:53	BJ



Sample Information

Client Sample ID: 108_LMW-12

York Sample ID: 21D1189-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 12:25 pm

04/26/2021

Polychlorinated Biphenyls (PCB), 8082 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
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A Certifications:	04/28/2021 07:56	04/29/2021 21:53	BJ
Surrogate Recoveries		Result					Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	72.0 %					30-150			
2051-24-3	Surrogate: Decachlorobiphenyl	51.5 %					30-150			

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	04/30/2021 07:32	05/03/2021 13:34	BJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2021 07:32	05/03/2021 13:34	BJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2021 07:32	05/03/2021 13:34	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
7429-90-5	Aluminum	0.0651		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:08	WJM
7440-39-3	Barium	1.60		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:08	WJM
7440-70-2	Calcium	120		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:08	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:08	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:08	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:08	WJM
7439-89-6	Iron	25.3		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:08	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:08	WJM
7439-95-4	Magnesium	31.9		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:08	WJM



Sample Information

Client Sample ID: 108_LMW-12

York Sample ID: 21D1189-08

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 12:25 pm	<u>Date Received</u> 04/26/2021
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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
7439-96-5	Manganese	0.167		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:08	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:08	WJM
7440-09-7	Potassium	20.5		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:08	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:08	WJM
7440-23-5	Sodium	70.7		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:08	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:08	WJM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:08	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	0.101		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:12	WJM
7440-39-3	Barium	1.27		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:12	WJM
7440-70-2	Calcium	119	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:12	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:12	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:12	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:12	WJM
7439-89-6	Iron	5.60		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:12	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:12	WJM
7439-95-4	Magnesium	32.8		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:12	WJM
7439-96-5	Manganese	0.160		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:12	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:12	WJM
7440-09-7	Potassium	19.5		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:12	WJM



Sample Information

Client Sample ID: 108_LMW-12

York Sample ID: 21D1189-08

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 12:25 pm	<u>Date Received</u> 04/26/2021
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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
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:12	WJM
7440-23-5	Sodium	69.0		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:12	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:12	WJM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:12	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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:12	BML
7440-38-2	Arsenic	0.0132		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:12	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:12	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:12	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:12	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:12	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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:16	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:16	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:16	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:16	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:16	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:16	BML



Sample Information

Client Sample ID: 108_LMW-12

York Sample ID: 21D1189-08

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 12:25 pm	<u>Date Received</u> 04/26/2021
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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	04/30/2021 00:23	04/30/2021 00:23	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	04/30/2021 00:34	04/30/2021 00:34	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	04/26/2021 18:31	04/26/2021 20:13	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:	05/03/2021 13:34	05/03/2021 15:31	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	04/29/2021 08:07	04/29/2021 16:49	OT



Sample Information

Client Sample ID: 109_LMW-11

York Sample ID: 21D1189-09

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 1:35 pm	<u>Date Received</u> 04/26/2021
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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	04/27/2021 06:47	04/27/2021 18:50	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	04/27/2021 06:47	04/27/2021 18:50	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	04/27/2021 06:47	04/27/2021 18:50	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	04/27/2021 06:47	04/27/2021 18:50	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	04/27/2021 06:47	04/27/2021 18:50	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	04/27/2021 06:47	04/27/2021 18:50	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	04/27/2021 06:47	04/27/2021 18:50	KHA
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 18:50	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	04/27/2021 06:47	04/27/2021 18:50	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	04/27/2021 06:47	04/27/2021 18:50	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	04/27/2021 06:47	04/27/2021 18:50	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	04/27/2021 06:47	04/27/2021 18:50	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	04/27/2021 06:47	04/27/2021 18:50	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	04/27/2021 06:47	04/27/2021 18:50	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	04/27/2021 06:47	04/27/2021 18:50	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	04/27/2021 06:47	04/27/2021 18:50	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	04/27/2021 06:47	04/27/2021 18:50	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	04/27/2021 06:47	04/27/2021 18:50	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	04/27/2021 06:47	04/27/2021 18:50	KHA
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:50	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	04/27/2021 06:47	04/27/2021 18:50	KHA



Sample Information

Client Sample ID: 109_LMW-11

York Sample ID: 21D1189-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 1:35 pm

04/26/2021

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
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:50	KHA
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:50	KHA
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:50	KHA
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:50	KHA
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:50	KHA
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:50	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	04/27/2021 06:47	04/27/2021 18:50	KHA
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:50	KHA
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:50	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:50	KHA
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:50	KHA
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:50	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:50	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:50	KHA
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:50	KHA
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:50	KHA
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:50	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:50	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:50	KHA
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:50	KHA
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:50	KHA
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:50	KHA



Sample Information

Client Sample ID: 109_LMW-11

York Sample ID: 21D1189-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 1:35 pm

04/26/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include various chemical compounds like cis-1,2-Dichloroethylene, Cyclohexane, Ethyl Benzene, etc.



Sample Information

Client Sample ID: 109_LMW-11

York Sample ID: 21D1189-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 1:35 pm

04/26/2021

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
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:50	KHA
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:50	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	04/27/2021 06:47	04/27/2021 18:50	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	04/27/2021 06:47	04/27/2021 18:50	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:50	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:50	KHA
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 18:50	KHA
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 18:50	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	110 %			70-130						
2037-26-5	Surrogate: SURR: Toluene-d8	104 %			70-130						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	88.0 %			70-130						

Semivolatiles, 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	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD



Sample Information

Client Sample ID: 109_LMW-11

York Sample ID: 21D1189-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 1:35 pm

04/26/2021

Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
91-58-7	2-Chloronaphthalene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
95-57-8	2-Chlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
91-57-6	2-Methylnaphthalene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
95-48-7	2-Methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
88-74-4	2-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
88-75-5	2-Nitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
99-09-2	3-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	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	04/27/2021 07:58	04/30/2021 11:25	CD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
106-47-8	4-Chloroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
100-01-6	4-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD



Sample Information

Client Sample ID: 109_LMW-11

York Sample ID: 21D1189-09

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 1:35 pm	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		ug/L	5.71	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
98-86-2	Acetophenone	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
62-53-3	Aniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
100-52-7	Benzaldehyde	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
92-87-5	Benzidine	ND		ug/L	5.71	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
65-85-0	Benzoic acid	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
100-51-6	Benzyl alcohol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.14	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
105-60-2	Caprolactam	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
86-74-8	Carbazole	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
132-64-9	Dibenzofuran	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
84-66-2	Diethyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
131-11-3	Dimethyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.71	11.4	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
78-59-1	Isophorone	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	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	04/27/2021 07:58	04/30/2021 11:25	CD
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD



Sample Information

Client Sample ID: 109_LMW-11

York Sample ID: 21D1189-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 1:35 pm

04/26/2021

Semivolatiles, 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
108-95-2	Phenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
110-86-1	Pyridine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:25	CD
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	31.8 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	21.8 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	63.4 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	62.8 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	67.4 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	72.6 %			30.7-106						

Semivolatiles, 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	0.103		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:03	CD
208-96-8	Acenaphthylene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:03	CD
120-12-7	Anthracene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:03	CD
1912-24-9	Atrazine	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/30/2021 10:03	CD
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:03	CD
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:03	CD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:03	CD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:03	CD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:03	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/30/2021 10:03	CD
218-01-9	Chrysene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:03	CD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:03	CD
206-44-0	Fluoranthene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:03	CD



Sample Information

Client Sample ID: 109_LMW-11

York Sample ID: 21D1189-09

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 1:35 pm	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
86-73-7	Fluorene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:03	CD
118-74-1	Hexachlorobenzene	ND		ug/L	0.0229	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/30/2021 10:03	CD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/30/2021 10:03	CD
67-72-1	Hexachloroethane	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/30/2021 10:03	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	04/27/2021 07:58	04/30/2021 10:03	CD
91-20-3	Naphthalene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:03	CD
98-95-3	Nitrobenzene	ND		ug/L	0.286	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/30/2021 10:03	CD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/30/2021 10:03	CD
87-86-5	Pentachlorophenol	ND		ug/L	0.286	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/30/2021 10:03	CD
85-01-8	Phenanthrene	0.0571		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:03	CD
129-00-0	Pyrene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:03	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	04/29/2021 08:30	04/30/2021 14:44	KH
	Surrogate Recoveries	Result					Acceptance Range			
17647-74-4	Surrogate: 1,4-Dioxane-d8	48.0 %					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)	1.82		ng/L	1.81	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:12	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	2.33		ng/L	1.81	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:12	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	4.46		ng/L	1.81	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:12	WL



Sample Information

Client Sample ID: 109_LMW-11

York Sample ID: 21D1189-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 1:35 pm

04/26/2021

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
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.81	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:12	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	32.6		ng/L	1.81	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:12	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.81	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:12	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.81	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:12	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.81	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:12	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.81	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:12	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.81	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:12	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.81	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:12	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.81	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:12	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.81	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:12	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.81	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:12	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.81	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:12	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.81	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:12	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.81	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:12	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.81	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:12	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.53	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:12	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.81	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:12	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	2.45		ng/L	1.81	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:12	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS

100 %

25-150

Surrogate: M5PFHxA

72.9 %

25-150

Surrogate: M4PFHpA

61.9 %

25-150

Surrogate: M3PFHxS

124 %

25-150

Surrogate: Perfluoro-n-[13C8]octanoic aci

111 %

25-150



Sample Information

Client Sample ID: 109_LMW-11

York Sample ID: 21D1189-09

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 1:35 pm	<u>Date Received</u> 04/26/2021
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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
	Surrogate: M6PFDA	124 %			25-150					
	Surrogate: M7PFUdA	107 %			25-150					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	108 %			25-150					
	Surrogate: M2PFTeDA	78.1 %			10-150					
	Surrogate: Perfluoro-n-[13C4]butanoic aci	21.3 %	PFSu-L		25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	144 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	50.7 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	29.3 %			10-150					
	Surrogate: d3-N-MeFOSAA	81.4 %			25-150					
	Surrogate: d5-N-EtFOSAA	94.5 %			25-150					
	Surrogate: M2-6:2 FTS	210 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	155 %	PFSu-H		25-150					
	Surrogate: M9PFNA	123 %			25-150					

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	04/28/2021 07:56	04/30/2021 14:22	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:22	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:22	CM
309-00-2	Aldrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:22	CM
319-84-6	alpha-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:22	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:22	CM
319-85-7	beta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:22	CM
319-86-8	delta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:22	CM
60-57-1	Dieldrin	ND		ug/L	0.00205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:22	CM
959-98-8	Endosulfan I	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:22	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:22	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:22	CM



Sample Information

Client Sample ID: 109_LMW-11

York Sample ID: 21D1189-09

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 1:35 pm	<u>Date Received</u> 04/26/2021
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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
72-20-8	Endrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:22	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:22	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:22	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:22	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:22	CM
76-44-8	Heptachlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:22	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:22	CM
72-43-5	Methoxychlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:22	CM
8001-35-2	Toxaphene	ND		ug/L	0.103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:22	CM
	* Chlordane, total (alpha, gamma)	ND		ug/L	0.0103	1	EPA 8081B Certifications:	04/28/2021 07:56	04/30/2021 14:22	CM
	Surrogate Recoveries	Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	51.9 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	68.0 %					30-150			

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 22:07	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 22:07	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 22:07	BJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 22:07	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 22:07	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 22:07	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 22:07	BJ



Sample Information

Client Sample ID: 109_LMW-11

York Sample ID: 21D1189-09

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 1:35 pm	<u>Date Received</u> 04/26/2021
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Polychlorinated Biphenyls (PCB), 8082 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
1336-36-3	* Total PCBs	ND		ug/L	0.0513	1	EPA 8082A Certifications:	04/28/2021 07:56	04/29/2021 22:07	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	86.0 %	30-150							
2051-24-3	Surrogate: Decachlorobiphenyl	56.0 %	30-150							

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	04/30/2021 07:32	05/03/2021 13:45	BJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2021 07:32	05/03/2021 13:45	BJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2021 07:32	05/03/2021 13:45	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 94.8 %		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	04/27/2021 09:10	04/30/2021 18:18	WJM
7440-39-3	Barium	0.789		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:18	WJM
7440-70-2	Calcium	185		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:18	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:18	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:18	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:18	WJM
7439-89-6	Iron	41.1		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:18	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:18	WJM
7439-95-4	Magnesium	15.0		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:18	WJM



Sample Information

Client Sample ID: 109_LMW-11

York Sample ID: 21D1189-09

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 1:35 pm	<u>Date Received</u> 04/26/2021
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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
7439-96-5	Manganese	0.569		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:18	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:18	WJM
7440-09-7	Potassium	9.69		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:18	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:18	WJM
7440-23-5	Sodium	30.6		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:18	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:18	WJM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:18	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	04/27/2021 08:52	04/30/2021 13:16	WJM
7440-39-3	Barium	0.576		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:16	WJM
7440-70-2	Calcium	181	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:16	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:16	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:16	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:16	WJM
7439-89-6	Iron	22.3		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:16	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:16	WJM
7439-95-4	Magnesium	15.1		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:16	WJM
7439-96-5	Manganese	0.564		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:16	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:16	WJM
7440-09-7	Potassium	9.80		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:16	WJM



Sample Information

Client Sample ID: 109_LMW-11

York Sample ID: 21D1189-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 1:35 pm

04/26/2021

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
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:16	WJM
7440-23-5	Sodium	30.4		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:16	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:16	WJM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:16	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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:15	BML
7440-38-2	Arsenic	0.00116		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:15	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:15	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:15	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:15	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:15	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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:19	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:19	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:19	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:19	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:19	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:19	BML



Sample Information

Client Sample ID: 109_LMW-11

York Sample ID: 21D1189-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 1:35 pm

04/26/2021

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7439-97-6 Mercury ND mg/L 0.0002 1 EPA 7470 04/30/2021 00:23 04/30/2021 00:23 AA

Mercury, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7439-97-6 Mercury ND mg/L 0.0002 1 EPA 7470 04/30/2021 00:34 04/30/2021 00:34 AA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 18540-29-9 Chromium, Hexavalent ND mg/L 0.0100 1 EPA 7196A 04/26/2021 18:31 04/26/2021 20:13 ZTS

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 16065-83-1 * Chromium, Trivalent ND mg/L 0.0100 1 Calculation 05/03/2021 13:34 05/03/2021 15:31 PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 57-12-5 Cyanide, total ND mg/L 0.0100 1 SM 4500 CN C/E 04/29/2021 08:07 04/29/2021 16:49 OT



Sample Information

Client Sample ID: 110_LMW-10

York Sample ID: 21D1189-10

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 1:35 pm	<u>Date Received</u> 04/26/2021
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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	04/27/2021 06:47	04/27/2021 19:16	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	04/27/2021 06:47	04/27/2021 19:16	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	04/27/2021 06:47	04/27/2021 19:16	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	04/27/2021 06:47	04/27/2021 19:16	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	04/27/2021 06:47	04/27/2021 19:16	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	04/27/2021 06:47	04/27/2021 19:16	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	04/27/2021 06:47	04/27/2021 19:16	KHA
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 19:16	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	04/27/2021 06:47	04/27/2021 19:16	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	04/27/2021 06:47	04/27/2021 19:16	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	04/27/2021 06:47	04/27/2021 19:16	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	04/27/2021 06:47	04/27/2021 19:16	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	04/27/2021 06:47	04/27/2021 19:16	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	04/27/2021 06:47	04/27/2021 19:16	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	04/27/2021 06:47	04/27/2021 19:16	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	04/27/2021 06:47	04/27/2021 19:16	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	04/27/2021 06:47	04/27/2021 19:16	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	04/27/2021 06:47	04/27/2021 19:16	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	04/27/2021 06:47	04/27/2021 19:16	KHA
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	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	04/27/2021 06:47	04/27/2021 19:16	KHA



Sample Information

Client Sample ID: 110_LMW-10

York Sample ID: 21D1189-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 1:35 pm

04/26/2021

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
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
78-93-3	2-Butanone	0.360		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	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	04/27/2021 06:47	04/27/2021 19:16	KHA
67-64-1	Acetone	1.74		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
108-90-7	Chlorobenzene	0.570		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA



Sample Information

Client Sample ID: 110_LMW-10

York Sample ID: 21D1189-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 1:35 pm

04/26/2021

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
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	04/27/2021 06:47	04/27/2021 19:16	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	04/27/2021 06:47	04/27/2021 19:16	KHA
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	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	04/27/2021 06:47	04/27/2021 19:16	KHA
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	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	04/27/2021 06:47	04/27/2021 19:16	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	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	04/27/2021 06:47	04/27/2021 19:16	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA



Sample Information

Client Sample ID: 110_LMW-10

York Sample ID: 21D1189-10

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 1:35 pm	<u>Date Received</u> 04/26/2021
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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
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	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	04/27/2021 06:47	04/27/2021 19:16	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	04/27/2021 06:47	04/27/2021 19:16	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:16	KHA
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 19:16	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	111 %			70-130						
2037-26-5	Surrogate: SURR: Toluene-d8	104 %			70-130						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	87.8 %			70-130						

Semivolatiles, 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	04/27/2021 07:58	04/30/2021 11:57	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD



Sample Information

Client Sample ID: 110_LMW-10

York Sample ID: 21D1189-10

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 1:35 pm	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
91-58-7	2-Chloronaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
95-57-8	2-Chlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
91-57-6	2-Methylnaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
95-48-7	2-Methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
88-74-4	2-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
88-75-5	2-Nitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
99-09-2	3-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	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	04/27/2021 07:58	04/30/2021 11:57	CD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
106-47-8	4-Chloroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
100-01-6	4-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD



Sample Information

Client Sample ID: 110_LMW-10

York Sample ID: 21D1189-10

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 1:35 pm	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
98-86-2	Acetophenone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
62-53-3	Aniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
100-52-7	Benzaldehyde	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
92-87-5	Benzidine	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
65-85-0	Benzoic acid	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
100-51-6	Benzyl alcohol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.11	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
105-60-2	Caprolactam	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
86-74-8	Carbazole	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
132-64-9	Dibenzofuran	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
84-66-2	Diethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
131-11-3	Dimethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.56	11.1	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD
78-59-1	Isophorone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	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	04/27/2021 07:58	04/30/2021 11:57	CD
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:57	CD



Sample Information

Client Sample ID: 110_LMW-10

York Sample ID: 21D1189-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 1:35 pm

04/26/2021

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Phenol, Pyridine, and Surrogate Recoveries.

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Acenaphthene, Acenaphthylene, Anthracene, Atrazine, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Bis(2-ethylhexyl)phthalate, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene.



Sample Information

Client Sample ID: 110_LMW-10

York Sample ID: 21D1189-10

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 1:35 pm	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
86-73-7	Fluorene	0.367		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:34	CD
118-74-1	Hexachlorobenzene	ND		ug/L	0.0222	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/30/2021 10:34	CD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/30/2021 10:34	CD
67-72-1	Hexachloroethane	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/30/2021 10:34	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	04/27/2021 07:58	04/30/2021 10:34	CD
91-20-3	Naphthalene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:34	CD
98-95-3	Nitrobenzene	ND		ug/L	0.278	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/30/2021 10:34	CD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/30/2021 10:34	CD
87-86-5	Pentachlorophenol	ND		ug/L	0.278	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/30/2021 10:34	CD
85-01-8	Phenanthrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:34	CD
129-00-0	Pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 10:34	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	05/03/2021 07:54	05/03/2021 19:04	KH
	Surrogate Recoveries	Result					Acceptance Range			
17647-74-4	Surrogate: 1,4-Dioxane-d8	72.0 %					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	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:34	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	3.59		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:34	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	5.74		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:34	WL



Sample Information

Client Sample ID: 110_LMW-10

York Sample ID: 21D1189-10

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 1:35 pm	<u>Date Received</u> 04/26/2021
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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
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:34	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	30.3		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:34	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	3.27		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:34	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:34	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:34	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:34	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:34	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:34	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:34	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:34	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:34	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	3.98		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:34	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:34	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:34	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:34	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.84	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:34	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:34	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	3.53		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:34	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	96.6 %	25-150
Surrogate: M5PFHxA	68.9 %	25-150
Surrogate: M4PFHpA	59.8 %	25-150
Surrogate: M3PFHxS	124 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	114 %	25-150



Sample Information

Client Sample ID: 110_LMW-10

York Sample ID: 21D1189-10

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 1:35 pm	<u>Date Received</u> 04/26/2021
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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
	Surrogate: M6PFDA	133 %			25-150					
	Surrogate: M7PFUdA	118 %			25-150					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	96.4 %			25-150					
	Surrogate: M2PFTeDA	51.2 %			10-150					
	Surrogate: Perfluoro-n-[13C4]butanoic aci	17.9 %	PFSu-L		25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	153 %	PFSu-H		25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic a	49.4 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	20.5 %			10-150					
	Surrogate: d3-N-MeFOSAA	75.6 %			25-150					
	Surrogate: d5-N-EtFOSAA	106 %			25-150					
	Surrogate: M2-6:2 FTS	219 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	227 %	PFSu-H		25-150					
	Surrogate: M9PFNA	123 %			25-150					

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	04/28/2021 07:56	04/30/2021 14:38	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:38	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:38	CM
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:38	CM
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:38	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:38	CM
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:38	CM
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:38	CM
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:38	CM
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:38	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:38	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:38	CM



Sample Information

Client Sample ID: 110_LMW-10

York Sample ID: 21D1189-10

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 1:35 pm	<u>Date Received</u> 04/26/2021
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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
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:38	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:38	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:38	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:38	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:38	CM
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:38	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:38	CM
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:38	CM
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:38	CM
	* Chlordane, total (alpha, gamma)	ND		ug/L	0.0100	1	EPA 8081B Certifications:	04/28/2021 07:56	04/30/2021 14:38	CM
	Surrogate Recoveries	Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	42.9 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	54.1 %					30-150			

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 22:20	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 22:20	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 22:20	BJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 22:20	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 22:20	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 22:20	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 22:20	BJ



Sample Information

Client Sample ID: 110_LMW-10

York Sample ID: 21D1189-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 1:35 pm

04/26/2021

Polychlorinated Biphenyls (PCB), 8082 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
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A Certifications:	04/28/2021 07:56	04/29/2021 22:20	BJ
Surrogate Recoveries		Result					Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	68.5 %					30-150			
2051-24-3	Surrogate: Decachlorobiphenyl	44.0 %					30-150			

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	05/03/2021 07:44	05/03/2021 17:17	BJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2021 07:44	05/03/2021 17:17	BJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2021 07:44	05/03/2021 17:17	BJ
Surrogate Recoveries		Result					Acceptance Range			
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 72.6 %						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	0.0941		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:21	WJM
7440-39-3	Barium	0.492		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:21	WJM
7440-70-2	Calcium	140		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:21	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:21	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:21	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:21	WJM
7439-89-6	Iron	53.2		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:21	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:21	WJM
7439-95-4	Magnesium	17.4		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:21	WJM



Sample Information

Client Sample ID: 110_LMW-10

York Sample ID: 21D1189-10

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 1:35 pm	<u>Date Received</u> 04/26/2021
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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
7439-96-5	Manganese	1.24		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:21	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:21	WJM
7440-09-7	Potassium	17.2		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:21	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:21	WJM
7440-23-5	Sodium	49.9		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:21	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:21	WJM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:21	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	04/27/2021 08:52	04/30/2021 13:19	WJM
7440-39-3	Barium	0.378		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:19	WJM
7440-70-2	Calcium	133	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:19	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:19	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:19	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:19	WJM
7439-89-6	Iron	35.0		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:19	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:19	WJM
7439-95-4	Magnesium	17.1		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:19	WJM
7439-96-5	Manganese	1.25		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:19	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:19	WJM
7440-09-7	Potassium	17.7		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:19	WJM



Sample Information

Client Sample ID: 110_LMW-10

York Sample ID: 21D1189-10

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 1:35 pm	<u>Date Received</u> 04/26/2021
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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
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:19	WJM
7440-23-5	Sodium	50.1		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:19	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:19	WJM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:19	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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:19	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:19	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:19	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:19	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:19	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:19	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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:23	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:23	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:23	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:23	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:23	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:23	BML



Sample Information

Client Sample ID: 110_LMW-10

York Sample ID: 21D1189-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 1:35 pm

04/26/2021

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7439-97-6, Mercury, ND, mg/L, 0.0002, 1, EPA 7470, 04/30/2021 00:23, 04/30/2021 00:23, AA. Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP

Mercury, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7439-97-6, Mercury, ND, mg/L, 0.0002, 1, EPA 7470, 04/30/2021 00:34, 04/30/2021 00:34, AA. Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 18540-29-9, Chromium, Hexavalent, ND, mg/L, 0.0100, 1, EPA 7196A, 04/26/2021 18:31, 04/26/2021 20:13, ZTS. Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 16065-83-1, * Chromium, Trivalent, ND, mg/L, 0.0100, 1, Calculation, 05/03/2021 13:34, 05/03/2021 15:31, PAM. Certifications:

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 57-12-5, Cyanide, total, ND, mg/L, 0.0100, 1, SM 4500 CN C/E, 04/29/2021 08:07, 04/29/2021 16:49, OT. Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP



Sample Information

Client Sample ID: 111_LMW-13

York Sample ID: 21D1189-11

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 3:00 pm	<u>Date Received</u> 04/26/2021
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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	04/27/2021 06:47	04/27/2021 19:43	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	04/27/2021 06:47	04/27/2021 19:43	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	04/27/2021 06:47	04/27/2021 19:43	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	04/27/2021 06:47	04/27/2021 19:43	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	04/27/2021 06:47	04/27/2021 19:43	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	04/27/2021 06:47	04/27/2021 19:43	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	04/27/2021 06:47	04/27/2021 19:43	KHA
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 19:43	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	04/27/2021 06:47	04/27/2021 19:43	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	04/27/2021 06:47	04/27/2021 19:43	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	04/27/2021 06:47	04/27/2021 19:43	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	04/27/2021 06:47	04/27/2021 19:43	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	04/27/2021 06:47	04/27/2021 19:43	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	04/27/2021 06:47	04/27/2021 19:43	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	04/27/2021 06:47	04/27/2021 19:43	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	04/27/2021 06:47	04/27/2021 19:43	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	04/27/2021 06:47	04/27/2021 19:43	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	04/27/2021 06:47	04/27/2021 19:43	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	04/27/2021 06:47	04/27/2021 19:43	KHA
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	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	04/27/2021 06:47	04/27/2021 19:43	KHA



Sample Information

Client Sample ID: 111_LMW-13

York Sample ID: 21D1189-11

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 3:00 pm	<u>Date Received</u> 04/26/2021
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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
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
108-10-1	4-Methyl-2-pentanone	0.450	B	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA



Sample Information

Client Sample ID: 111_LMW-13

York Sample ID: 21D1189-11

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 3:00 pm	<u>Date Received</u> 04/26/2021
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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
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	04/27/2021 06:47	04/27/2021 19:43	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	04/27/2021 06:47	04/27/2021 19:43	KHA
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	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	04/27/2021 06:47	04/27/2021 19:43	KHA
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	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	04/27/2021 06:47	04/27/2021 19:43	KHA
99-87-6	p-Isopropyltoluene	0.920		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	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	04/27/2021 06:47	04/27/2021 19:43	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA



Sample Information

Client Sample ID: 111_LMW-13

York Sample ID: 21D1189-11

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 3:00 pm	<u>Date Received</u> 04/26/2021
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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
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
108-88-3	Toluene	0.610		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	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	04/27/2021 06:47	04/27/2021 19:43	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	04/27/2021 06:47	04/27/2021 19:43	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 19:43	KHA
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 19:43	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	113 %			70-130						
2037-26-5	Surrogate: SURR: Toluene-d8	103 %			70-130						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	90.1 %			70-130						

Semivolatiles, 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	04/27/2021 07:58	04/30/2021 12:29	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD



Sample Information

Client Sample ID: 111_LMW-13

York Sample ID: 21D1189-11

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 3:00 pm	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
91-58-7	2-Chloronaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
95-57-8	2-Chlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
91-57-6	2-Methylnaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
95-48-7	2-Methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
88-74-4	2-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
88-75-5	2-Nitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
99-09-2	3-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	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	04/27/2021 07:58	04/30/2021 12:29	CD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
106-47-8	4-Chloroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
100-01-6	4-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD



Sample Information

Client Sample ID: 111_LMW-13

York Sample ID: 21D1189-11

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 3:00 pm	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
98-86-2	Acetophenone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
62-53-3	Aniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
100-52-7	Benzaldehyde	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
92-87-5	Benzidine	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
65-85-0	Benzoic acid	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
100-51-6	Benzyl alcohol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.11	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
105-60-2	Caprolactam	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
86-74-8	Carbazole	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
132-64-9	Dibenzofuran	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
84-66-2	Diethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
131-11-3	Dimethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.56	11.1	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
78-59-1	Isophorone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	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	04/27/2021 07:58	04/30/2021 12:29	CD
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD



Sample Information

Client Sample ID: 111_LMW-13

York Sample ID: 21D1189-11

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 3:00 pm	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
108-95-2	Phenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
110-86-1	Pyridine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 12:29	CD
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	32.5 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	22.4 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	62.3 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	62.0 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	65.6 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	66.0 %			30.7-106						

Semivolatiles, 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	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:06	CD
208-96-8	Acenaphthylene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:06	CD
120-12-7	Anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:06	CD
1912-24-9	Atrazine	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/30/2021 11:06	CD
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:06	CD
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:06	CD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:06	CD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:06	CD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:06	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/30/2021 11:06	CD
218-01-9	Chrysene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:06	CD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:06	CD
206-44-0	Fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:06	CD



Sample Information

Client Sample ID: 111_LMW-13

York Sample ID: 21D1189-11

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 3:00 pm	<u>Date Received</u> 04/26/2021
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Semivolatiles, 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
86-73-7	Fluorene	0.356		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:06	CD
118-74-1	Hexachlorobenzene	ND		ug/L	0.0222	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/30/2021 11:06	CD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/30/2021 11:06	CD
67-72-1	Hexachloroethane	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/30/2021 11:06	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	04/27/2021 07:58	04/30/2021 11:06	CD
91-20-3	Naphthalene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:06	CD
98-95-3	Nitrobenzene	ND		ug/L	0.278	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/30/2021 11:06	CD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/30/2021 11:06	CD
87-86-5	Pentachlorophenol	ND		ug/L	0.278	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/30/2021 11:06	CD
85-01-8	Phenanthrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:06	CD
129-00-0	Pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/30/2021 11:06	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	04/29/2021 08:30	04/30/2021 15:19	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)	2.32		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:57	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	2.83		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:57	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	3.50		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:57	WL



Sample Information

Client Sample ID: 111_LMW-13

York Sample ID: 21D1189-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 3:00 pm

04/26/2021

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
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:57	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	24.9		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:57	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	5.62		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:57	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:57	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:57	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:57	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:57	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:57	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:57	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:57	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:57	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:57	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:57	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:57	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:57	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.84	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:57	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:57	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	3.07		ng/L	1.94	1	EPA 537m Certifications:	04/27/2021 15:48	04/29/2021 23:57	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS

80.6 %

25-150

Surrogate: M5PFHxA

69.4 %

25-150

Surrogate: M4PFHpA

57.8 %

25-150

Surrogate: M3PFHxS

104 %

25-150

Surrogate: Perfluoro-n-[13C8]octanoic aci

89.5 %

25-150



Sample Information

Client Sample ID: 111_LMW-13

York Sample ID: 21D1189-11

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 3:00 pm	<u>Date Received</u> 04/26/2021
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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
	Surrogate: M6PFDA	95.3 %			25-150					
	Surrogate: M7PFUdA	90.9 %			25-150					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	82.7 %			25-150					
	Surrogate: M2PFTeDA	71.7 %			10-150					
	Surrogate: Perfluoro-n-[13C4]butanoic aci	26.4 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	111 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	54.8 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	19.1 %			10-150					
	Surrogate: d3-N-MeFOSAA	56.8 %			25-150					
	Surrogate: d5-N-EtFOSAA	73.9 %			25-150					
	Surrogate: M2-6:2 FTS	155 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	167 %	PFSu-H		25-150					
	Surrogate: M9PFNA	94.4 %			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	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:55	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:55	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:55	CM
309-00-2	Aldrin	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:55	CM
319-84-6	alpha-BHC	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:55	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:55	CM
319-85-7	beta-BHC	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:55	CM
319-86-8	delta-BHC	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:55	CM
60-57-1	Dieldrin	ND		ug/L	0.00211	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:55	CM
959-98-8	Endosulfan I	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:55	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:55	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:55	CM



Sample Information

Client Sample ID: 111_LMW-13

York Sample ID: 21D1189-11

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 3:00 pm	<u>Date Received</u> 04/26/2021
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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
72-20-8	Endrin	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:55	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:55	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:55	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:55	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:55	CM
76-44-8	Heptachlor	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:55	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:55	CM
72-43-5	Methoxychlor	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:55	CM
8001-35-2	Toxaphene	ND		ug/L	0.105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:56	04/30/2021 14:55	CM
	* Chlordane, total (alpha, gamma)	ND		ug/L	0.0105	1	EPA 8081B Certifications:	04/28/2021 07:56	04/30/2021 14:55	CM
	Surrogate Recoveries	Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	44.4 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	56.5 %					30-150			

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 22:34	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 22:34	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 22:34	BJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 22:34	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 22:34	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 22:34	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2021 07:56	04/29/2021 22:34	BJ



Sample Information

Client Sample ID: 111_LMW-13

York Sample ID: 21D1189-11

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 3:00 pm	<u>Date Received</u> 04/26/2021
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Polychlorinated Biphenyls (PCB), 8082 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
1336-36-3	* Total PCBs	ND		ug/L	0.0526	1	EPA 8082A Certifications:	04/28/2021 07:56	04/29/2021 22:34	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	67.5 %	30-150							
2051-24-3	Surrogate: Decachlorobiphenyl	53.5 %	30-150							

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	05/03/2021 07:44	05/03/2021 17:27	BJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2021 07:44	05/03/2021 17:27	BJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2021 07:44	05/03/2021 17:27	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 85.8 %		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	04/27/2021 09:10	04/30/2021 18:24	WJM
7440-39-3	Barium	0.358		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:24	WJM
7440-70-2	Calcium	162		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:24	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:24	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:24	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:24	WJM
7439-89-6	Iron	47.1		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:24	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:24	WJM
7439-95-4	Magnesium	15.2		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:24	WJM



Sample Information

Client Sample ID: 111_LMW-13

York Sample ID: 21D1189-11

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 3:00 pm	<u>Date Received</u> 04/26/2021
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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
7439-96-5	Manganese	0.370		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:24	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:24	WJM
7440-09-7	Potassium	7.49		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:24	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:24	WJM
7440-23-5	Sodium	29.3		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:24	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:24	WJM
7440-66-6	Zinc	0.0815		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:10	04/30/2021 18:24	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	04/27/2021 08:52	04/30/2021 13:22	WJM
7440-39-3	Barium	0.237		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:22	WJM
7440-70-2	Calcium	157	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:22	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:22	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:22	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:22	WJM
7439-89-6	Iron	20.7		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:22	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:22	WJM
7439-95-4	Magnesium	15.0		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:22	WJM
7439-96-5	Manganese	0.366		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:22	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:22	WJM
7440-09-7	Potassium	7.55		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:22	WJM



Sample Information

Client Sample ID: 111_LMW-13

York Sample ID: 21D1189-11

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 3:00 pm	<u>Date Received</u> 04/26/2021
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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
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:22	WJM
7440-23-5	Sodium	29.7		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:22	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:22	WJM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 08:52	04/30/2021 13:22	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	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:22	BML
7440-38-2	Arsenic	0.00116		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:22	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:22	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:22	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:22	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:13	04/30/2021 13:22	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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:33	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:33	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:33	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:33	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:33	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 09:03	04/29/2021 13:33	BML



Sample Information

Client Sample ID: 111_LMW-13

York Sample ID: 21D1189-11

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 3:00 pm	<u>Date Received</u> 04/26/2021
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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	04/30/2021 00:23	04/30/2021 00:23	AA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

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	04/30/2021 00:34	04/30/2021 00:34	AA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

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	04/26/2021 18:31	04/26/2021 20:13	ZTS
							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	05/03/2021 13:34	05/03/2021 15:31	PAM
							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	04/29/2021 08:07	04/29/2021 16:49	OT
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: 112_TB-1

York Sample ID: 21D1189-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 3:00 pm

04/26/2021

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	04/27/2021 06:47	04/27/2021 13:26	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	04/27/2021 06:47	04/27/2021 13:26	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	04/27/2021 06:47	04/27/2021 13:26	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	04/27/2021 06:47	04/27/2021 13:26	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	04/27/2021 06:47	04/27/2021 13:26	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	04/27/2021 06:47	04/27/2021 13:26	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	04/27/2021 06:47	04/27/2021 13:26	KHA
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 13:26	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	04/27/2021 06:47	04/27/2021 13:26	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	04/27/2021 06:47	04/27/2021 13:26	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	04/27/2021 06:47	04/27/2021 13:26	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	04/27/2021 06:47	04/27/2021 13:26	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	04/27/2021 06:47	04/27/2021 13:26	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	04/27/2021 06:47	04/27/2021 13:26	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	04/27/2021 06:47	04/27/2021 13:26	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	04/27/2021 06:47	04/27/2021 13:26	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	04/27/2021 06:47	04/27/2021 13:26	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	04/27/2021 06:47	04/27/2021 13:26	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	04/27/2021 06:47	04/27/2021 13:26	KHA
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:26	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	04/27/2021 06:47	04/27/2021 13:26	KHA



Sample Information

Client Sample ID: 112_TB-1

York Sample ID: 21D1189-12

<u>York Project (SDG) No.</u> 21D1189	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2021 3:00 pm	<u>Date Received</u> 04/26/2021
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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
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:26	KHA
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:26	KHA
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:26	KHA
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:26	KHA
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:26	KHA
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:26	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	04/27/2021 06:47	04/27/2021 13:26	KHA
67-64-1	Acetone	1.29		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:26	KHA
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:26	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:26	KHA
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:26	KHA
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:26	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:26	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:26	KHA
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:26	KHA
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:26	KHA
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:26	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:26	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:26	KHA
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:26	KHA
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:26	KHA
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:26	KHA



Sample Information

Client Sample ID: 112_TB-1

York Sample ID: 21D1189-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 3:00 pm

04/26/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for various compounds like cis-1,2-Dichloroethylene, Cyclohexane, and Methylene chloride.



Sample Information

Client Sample ID: 112_TB-1

York Sample ID: 21D1189-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1189

100688801

Water

April 26, 2021 3:00 pm

04/26/2021

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
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:26	KHA
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:26	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	04/27/2021 06:47	04/27/2021 13:26	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	04/27/2021 06:47	04/27/2021 13:26	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:26	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:26	KHA
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 13:26	KHA
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 13:26	KHA
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	112 %	70-130								
2037-26-5	Surrogate: SURR: Toluene-d8	104 %	70-130								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	93.5 %	70-130								



Analytical Batch Summary

Batch ID: BD11415 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
21D1189-01	101_LMW-8	04/26/21
BD11415-BLK1	Blank	04/26/21
BD11415-BS1	LCS	04/26/21
BD11415-DUP1	Duplicate	04/26/21
BD11415-MS1	Matrix Spike	04/26/21

Batch ID: BD11416 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
21D1189-01	101_LMW-8	04/26/21
BD11416-BLK1	Blank	04/26/21
BD11416-BS1	LCS	04/26/21
BD11416-DUP1	Duplicate	04/26/21
BD11416-MS1	Matrix Spike	04/26/21

Batch ID: BD11417 **Preparation Method:** Analysis Preparation **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
21D1189-01	101_LMW-8	04/26/21
21D1189-02	102_LMW-7	04/26/21
21D1189-03	103_DUP-1	04/26/21
21D1189-04	104_FB-1	04/26/21
21D1189-05	105_LMW-5	04/26/21
21D1189-06	106_LMW-9	04/26/21
21D1189-07	107_LMW-14	04/26/21
21D1189-08	108_LMW-12	04/26/21
21D1189-09	109_LMW-11	04/26/21
21D1189-10	110_LMW-10	04/26/21
21D1189-11	111_LMW-13	04/26/21
BD11417-BLK1	Blank	04/26/21
BD11417-BS1	LCS	04/26/21
BD11417-DUP1	Duplicate	04/26/21
BD11417-MS1	Matrix Spike	04/26/21

Batch ID: BD11424 **Preparation Method:** EPA 3510C **Prepared By:** OC

YORK Sample ID	Client Sample ID	Preparation Date
21D1189-01	101_LMW-8	04/27/21
21D1189-02	102_LMW-7	04/27/21
21D1189-03	103_DUP-1	04/27/21
21D1189-04	104_FB-1	04/27/21
21D1189-05	105_LMW-5	04/27/21
21D1189-06	106_LMW-9	04/27/21
21D1189-07	107_LMW-14	04/27/21



21D1189-08	108_LMW-12	04/27/21
21D1189-09	109_LMW-11	04/27/21
21D1189-10	110_LMW-10	04/27/21
21D1189-11	111_LMW-13	04/27/21
BD11424-BLK1	Blank	04/27/21
BD11424-BLK2	Blank	04/27/21
BD11424-BS1	LCS	04/27/21
BD11424-BS2	LCS	04/27/21
BD11424-MS1	Matrix Spike	04/27/21
BD11424-MSD1	Matrix Spike Dup	04/27/21

Batch ID: BD11436 **Preparation Method:** EPA 3015A **Prepared By:** ALH

YORK Sample ID	Client Sample ID	Preparation Date
21D1189-01	101_LMW-8	04/27/21
21D1189-02	102_LMW-7	04/27/21
21D1189-03	103_DUP-1	04/27/21
21D1189-04	104_FB-1	04/27/21
21D1189-05	105_LMW-5	04/27/21
21D1189-06	106_LMW-9	04/27/21
21D1189-07	107_LMW-14	04/27/21
21D1189-08	108_LMW-12	04/27/21
21D1189-09	109_LMW-11	04/27/21
21D1189-10	110_LMW-10	04/27/21
21D1189-11	111_LMW-13	04/27/21
BD11436-BLK1	Blank	04/27/21
BD11436-BS1	LCS	04/27/21
BD11436-DUP1	Duplicate	04/27/21
BD11436-MS1	Matrix Spike	04/27/21
BD11436-PS1	Post Spike	04/27/21

Batch ID: BD11437 **Preparation Method:** EPA 3015A **Prepared By:** ALH

YORK Sample ID	Client Sample ID	Preparation Date
21D1189-01	101_LMW-8	04/27/21
21D1189-02	102_LMW-7	04/27/21
21D1189-03	103_DUP-1	04/27/21
21D1189-04	104_FB-1	04/27/21
21D1189-05	105_LMW-5	04/27/21
21D1189-06	106_LMW-9	04/27/21
21D1189-07	107_LMW-14	04/27/21
21D1189-08	108_LMW-12	04/27/21
21D1189-09	109_LMW-11	04/27/21
21D1189-10	110_LMW-10	04/27/21
21D1189-11	111_LMW-13	04/27/21
BD11437-BLK1	Blank	04/27/21
BD11437-BS1	LCS	04/27/21
BD11437-DUP1	Duplicate	04/27/21
BD11437-MS1	Matrix Spike	04/27/21



Batch ID: BD11443

Preparation Method: EPA 3015A

Prepared By: ALH

YORK Sample ID	Client Sample ID	Preparation Date
21D1189-01	101_LMW-8	04/27/21
21D1189-02	102_LMW-7	04/27/21
21D1189-03	103_DUP-1	04/27/21
21D1189-04	104_FB-1	04/27/21
21D1189-05	105_LMW-5	04/27/21
21D1189-06	106_LMW-9	04/27/21
21D1189-07	107_LMW-14	04/27/21
21D1189-08	108_LMW-12	04/27/21
21D1189-09	109_LMW-11	04/27/21
21D1189-10	110_LMW-10	04/27/21
21D1189-11	111_LMW-13	04/27/21
BD11443-BLK1	Blank	04/27/21
BD11443-BS1	LCS	04/27/21
BD11443-DUP1	Duplicate	04/27/21
BD11443-MS1	Matrix Spike	04/27/21
BD11443-PS1	Post Spike	04/27/21

Batch ID: BD11444

Preparation Method: EPA 3015A

Prepared By: ALH

YORK Sample ID	Client Sample ID	Preparation Date
21D1189-01	101_LMW-8	04/27/21
21D1189-02	102_LMW-7	04/27/21
21D1189-03	103_DUP-1	04/27/21
21D1189-04	104_FB-1	04/27/21
21D1189-05	105_LMW-5	04/27/21
21D1189-06	106_LMW-9	04/27/21
21D1189-07	107_LMW-14	04/27/21
21D1189-08	108_LMW-12	04/27/21
21D1189-09	109_LMW-11	04/27/21
21D1189-10	110_LMW-10	04/27/21
21D1189-11	111_LMW-13	04/27/21
BD11444-BLK1	Blank	04/27/21
BD11444-BS1	LCS	04/27/21
BD11444-DUP1	Duplicate	04/27/21
BD11444-MS1	Matrix Spike	04/27/21

Batch ID: BD11466

Preparation Method: EPA 5030B

Prepared By: KHA

YORK Sample ID	Client Sample ID	Preparation Date
21D1189-01	101_LMW-8	04/27/21
21D1189-02	102_LMW-7	04/27/21
21D1189-03	103_DUP-1	04/27/21
21D1189-04	104_FB-1	04/27/21
21D1189-05	105_LMW-5	04/27/21
21D1189-06	106_LMW-9	04/27/21
21D1189-07	107_LMW-14	04/27/21
21D1189-08	108_LMW-12	04/27/21
21D1189-09	109_LMW-11	04/27/21



21D1189-10	110_LMW-10	04/27/21
21D1189-11	111_LMW-13	04/27/21
21D1189-12	112_TB-1	04/27/21
BD11466-BLK1	Blank	04/27/21
BD11466-BS1	LCS	04/27/21
BD11466-BSD1	LCS Dup	04/27/21

Batch ID: BD11475 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** SG

YORK Sample ID	Client Sample ID	Preparation Date
21D1189-01	101_LMW-8	04/27/21
21D1189-02	102_LMW-7	04/27/21
21D1189-03	103_DUP-1	04/27/21
21D1189-04	104_FB-1	04/27/21
21D1189-05	105_LMW-5	04/27/21
21D1189-06	106_LMW-9	04/27/21
21D1189-07	107_LMW-14	04/27/21
21D1189-08	108_LMW-12	04/27/21
21D1189-09	109_LMW-11	04/27/21
21D1189-10	110_LMW-10	04/27/21
21D1189-11	111_LMW-13	04/27/21
BD11475-BLK1	Blank	04/27/21
BD11475-BS1	LCS	04/27/21
BD11475-MS1	Matrix Spike	04/27/21
BD11475-MSD1	Matrix Spike Dup	04/27/21

Batch ID: BD11495 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** GO

YORK Sample ID	Client Sample ID	Preparation Date
21D1189-01	101_LMW-8	04/28/21
21D1189-01	101_LMW-8	04/28/21
21D1189-02	102_LMW-7	04/28/21
21D1189-02	102_LMW-7	04/28/21
21D1189-03	103_DUP-1	04/28/21
21D1189-03	103_DUP-1	04/28/21
21D1189-04	104_FB-1	04/28/21
21D1189-04	104_FB-1	04/28/21
21D1189-05	105_LMW-5	04/28/21
21D1189-05	105_LMW-5	04/28/21
21D1189-06	106_LMW-9	04/28/21
21D1189-06	106_LMW-9	04/28/21
21D1189-07	107_LMW-14	04/28/21
21D1189-07	107_LMW-14	04/28/21
21D1189-08	108_LMW-12	04/28/21
21D1189-08	108_LMW-12	04/28/21
21D1189-09	109_LMW-11	04/28/21
21D1189-09	109_LMW-11	04/28/21
21D1189-10	110_LMW-10	04/28/21
21D1189-10	110_LMW-10	04/28/21
21D1189-11	111_LMW-13	04/28/21
21D1189-11	111_LMW-13	04/28/21



BD11495-BLK1	Blank	04/28/21
BD11495-BLK2	Blank	04/28/21
BD11495-BS1	LCS	04/28/21
BD11495-BS2	LCS	04/28/21
BD11495-MS1	Matrix Spike	04/28/21
BD11495-MS2	Matrix Spike	04/28/21
BD11495-MSD1	Matrix Spike Dup	04/28/21
BD11495-MSD2	Matrix Spike Dup	04/28/21

Batch ID: BD11572 **Preparation Method:** Analysis Preparation **Prepared By:** OT

YORK Sample ID	Client Sample ID	Preparation Date
21D1189-01	101_LMW-8	04/29/21
21D1189-02	102_LMW-7	04/29/21
21D1189-03	103_DUP-1	04/29/21
21D1189-04	104_FB-1	04/29/21
21D1189-05	105_LMW-5	04/29/21
21D1189-06	106_LMW-9	04/29/21
21D1189-07	107_LMW-14	04/29/21
21D1189-08	108_LMW-12	04/29/21
21D1189-09	109_LMW-11	04/29/21
21D1189-10	110_LMW-10	04/29/21
21D1189-11	111_LMW-13	04/29/21
BD11572-BLK1	Blank	04/29/21
BD11572-BS1	LCS	04/29/21
BD11572-DUP1	Duplicate	04/29/21
BD11572-MS1	Matrix Spike	04/29/21

Batch ID: BD11577 **Preparation Method:** EPA 3535A **Prepared By:** RTH

YORK Sample ID	Client Sample ID	Preparation Date
21D1189-01	101_LMW-8	04/29/21
21D1189-04	104_FB-1	04/29/21
21D1189-05	105_LMW-5	04/29/21
21D1189-06	106_LMW-9	04/29/21
21D1189-07	107_LMW-14	04/29/21
21D1189-08	108_LMW-12	04/29/21
21D1189-09	109_LMW-11	04/29/21
21D1189-11	111_LMW-13	04/29/21
BD11577-BLK1	Blank	04/29/21
BD11577-BS1	LCS	04/29/21
BD11577-MS1	Matrix Spike	04/29/21
BD11577-MSD1	Matrix Spike Dup	04/29/21

Batch ID: BD11581 **Preparation Method:** EPA 8151A **Prepared By:** RTH

YORK Sample ID	Client Sample ID	Preparation Date
21D1189-01	101_LMW-8	04/29/21
21D1189-02	102_LMW-7	04/29/21
21D1189-03	103_DUP-1	04/29/21



BD11581-BLK1	Blank	04/29/21
BD11581-BS1	LCS	04/29/21
BD11581-MS1	Matrix Spike	04/29/21
BD11581-MSD1	Matrix Spike Dup	04/29/21

Batch ID: BD11648 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
21D1189-02	102_LMW-7	04/30/21
21D1189-03	103_DUP-1	04/30/21
21D1189-04	104_FB-1	04/30/21
21D1189-05	105_LMW-5	04/30/21
21D1189-06	106_LMW-9	04/30/21
21D1189-07	107_LMW-14	04/30/21
21D1189-08	108_LMW-12	04/30/21
21D1189-09	109_LMW-11	04/30/21
21D1189-10	110_LMW-10	04/30/21
21D1189-11	111_LMW-13	04/30/21
BD11648-BLK1	Blank	04/30/21
BD11648-BS1	LCS	04/30/21
BD11648-BS2	LCS	04/30/21

Batch ID: BD11649 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
21D1189-02	102_LMW-7	04/30/21
21D1189-03	103_DUP-1	04/30/21
21D1189-04	104_FB-1	04/30/21
21D1189-05	105_LMW-5	04/30/21
21D1189-06	106_LMW-9	04/30/21
21D1189-07	107_LMW-14	04/30/21
21D1189-08	108_LMW-12	04/30/21
21D1189-09	109_LMW-11	04/30/21
21D1189-10	110_LMW-10	04/30/21
21D1189-11	111_LMW-13	04/30/21
BD11649-BLK1	Blank	04/30/21
BD11649-BS1	LCS	04/30/21
BD11649-BS2	LCS	04/30/21

Batch ID: BD11655 **Preparation Method:** EPA 8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21D1189-04	104_FB-1	04/30/21
21D1189-05	105_LMW-5	04/30/21
21D1189-06	106_LMW-9	04/30/21
21D1189-07	107_LMW-14	04/30/21
21D1189-08	108_LMW-12	04/30/21
21D1189-09	109_LMW-11	04/30/21
BD11655-BLK1	Blank	04/30/21
BD11655-BS1	LCS	04/30/21



BD11655-BSD1

LCS Dup

04/30/21

Batch ID: BE10006

Preparation Method: EPA 8151A

Prepared By: RTH

YORK Sample ID	Client Sample ID	Preparation Date
21D1189-10	110_LMW-10	05/03/21
21D1189-11	111_LMW-13	05/03/21
BE10006-BLK1	Blank	05/03/21
BE10006-BS1	LCS	05/03/21
BE10006-BSD1	LCS Dup	05/03/21

Batch ID: BE10012

Preparation Method: EPA 3535A

Prepared By: SJB

YORK Sample ID	Client Sample ID	Preparation Date
21D1189-02	102_LMW-7	05/03/21
21D1189-03	103_DUP-1	05/03/21
21D1189-10	110_LMW-10	05/03/21
BE10012-BLK1	Blank	05/03/21
BE10012-BS1	LCS	05/03/21
BE10012-BSD1	LCS Dup	05/03/21

Batch ID: BE10049

Preparation Method: Analysis Preparation

Prepared By: PAM

YORK Sample ID	Client Sample ID	Preparation Date
21D1189-01	101_LMW-8	05/03/21
21D1189-02	102_LMW-7	05/03/21
21D1189-03	103_DUP-1	05/03/21
21D1189-04	104_FB-1	05/03/21
21D1189-05	105_LMW-5	05/03/21
21D1189-06	106_LMW-9	05/03/21
21D1189-07	107_LMW-14	05/03/21
21D1189-08	108_LMW-12	05/03/21
21D1189-09	109_LMW-11	05/03/21
21D1189-10	110_LMW-10	05/03/21
21D1189-11	111_LMW-13	05/03/21



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
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Batch BD11466 - EPA 5030B

Blank (BD11466-BLK1)

Blank

Prepared & Analyzed: 04/27/2021

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	"								
1,1-Dichloropropylene	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	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	0.440	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD11466 - EPA 5030B

Blank (BD11466-BLK1)	Blank	Prepared & Analyzed: 04/27/2021									
Hexachlorobutadiene	ND	0.500	ug/L								
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	"								
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Surrogate: SURR: 1,2-Dichloroethane-d4	11.3		"	10.0		113	70-130				
Surrogate: SURR: Toluene-d8	10.4		"	10.0		104	70-130				
Surrogate: SURR: p-Bromofluorobenzene	9.31		"	10.0		93.1	70-130				

LCS (BD11466-BS1)	LCS	Prepared & Analyzed: 04/27/2021									
1,1,1,2-Tetrachloroethane	9.94		ug/L	10.0		99.4	82-126				30
1,1,1-Trichloroethane	9.81		"	10.0		98.1	70-130				20
1,1,2,2-Tetrachloroethane	9.65		"	10.0		96.5	70-130				20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0		"	10.0		110	70-130				20
1,1,2-Trichloroethane	9.98		"	10.0		99.8	70-130				20
1,1-Dichloroethane	10.2		"	10.0		102	70-130				20
1,1-Dichloroethylene	11.2		"	10.0		112	70-130				20
1,1-Dichloropropylene	9.88		"	10.0		98.8	83-133				30
1,2,3-Trichlorobenzene	7.74		"	10.0		77.4	70-130				20
1,2,3-Trichloropropane	9.23		"	10.0		92.3	77-128				30
1,2,4-Trichlorobenzene	8.71		"	10.0		87.1	70-130				20
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132				20
1,2-Dibromo-3-chloropropane	9.14		"	10.0		91.4	40-160				20
1,2-Dibromoethane	10.1		"	10.0		101	70-130				20
1,2-Dichlorobenzene	9.26		"	10.0		92.6	70-130				20
1,2-Dichloroethane	10.4		"	10.0		104	70-130				20
1,2-Dichloropropane	10.9		"	10.0		109	70-130				20
1,3,5-Trimethylbenzene	10.3		"	10.0		103	80-131				30
1,3-Dichlorobenzene	9.41		"	10.0		94.1	70-130				20
1,3-Dichloropropane	10.4		"	10.0		104	81-125				30
1,4-Dichlorobenzene	9.27		"	10.0		92.7	70-130				20
1,4-Dioxane	198		"	210		94.4	40-160				20
2,2-Dichloropropane	10.7		"	10.0		107	56-150				30



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD11466 - EPA 5030B

LCS (BD11466-BS1)	LCS	Prepared & Analyzed: 04/27/2021									
2-Butanone	8.93	ug/L	10.0	89.3	40-160	20					
2-Chlorotoluene	9.18	"	10.0	91.8	79-130	30					
2-Hexanone	11.2	"	10.0	112	40-160	20					
4-Chlorotoluene	9.99	"	10.0	99.9	79-128	30					
4-Methyl-2-pentanone	10.9	"	10.0	109	40-160	20					
Acetone	9.82	"	10.0	98.2	40-160	20					
Acrolein	8.94	"	10.0	89.4	10-153	30					
Acrylonitrile	11.8	"	10.0	118	51-150	30					
Benzene	9.99	"	10.0	99.9	70-130	20					
Bromobenzene	10.1	"	10.0	101	78-129	30					
Bromochloromethane	11.4	"	10.0	114	70-130	20					
Bromodichloromethane	10.5	"	10.0	105	70-130	20					
Bromoform	9.28	"	10.0	92.8	70-130	20					
Bromomethane	8.50	"	10.0	85.0	40-160	20					
Carbon disulfide	10.9	"	10.0	109	40-160	20					
Carbon tetrachloride	9.84	"	10.0	98.4	70-130	20					
Chlorobenzene	10.0	"	10.0	100	70-130	20					
Chloroethane	11.0	"	10.0	110	40-160	20					
Chloroform	9.90	"	10.0	99.0	70-130	20					
Chloromethane	10.2	"	10.0	102	40-160	20					
cis-1,2-Dichloroethylene	10.6	"	10.0	106	70-130	20					
cis-1,3-Dichloropropylene	10.6	"	10.0	106	70-130	20					
Cyclohexane	8.98	"	10.0	89.8	70-130	20					
Dibromochloromethane	10.2	"	10.0	102	70-130	20					
Dibromomethane	10.3	"	10.0	103	72-134	30					
Dichlorodifluoromethane	12.6	"	10.0	126	40-160	20					
Ethyl Benzene	10.9	"	10.0	109	70-130	20					
Hexachlorobutadiene	11.4	"	10.0	114	67-146	30					
Isopropylbenzene	9.89	"	10.0	98.9	70-130	20					
Methyl acetate	9.75	"	10.0	97.5	70-130	20					
Methyl tert-butyl ether (MTBE)	9.88	"	10.0	98.8	70-130	20					
Methylcyclohexane	11.0	"	10.0	110	70-130	20					
Methylene chloride	11.3	"	10.0	113	70-130	20					
n-Butylbenzene	11.9	"	10.0	119	79-132	30					
n-Propylbenzene	10.1	"	10.0	101	78-133	30					
o-Xylene	10.8	"	10.0	108	70-130	20					
p- & m- Xylenes	22.0	"	20.0	110	70-130	20					
p-Isopropyltoluene	10.4	"	10.0	104	81-136	30					
sec-Butylbenzene	10.8	"	10.0	108	79-137	30					
Styrene	10.9	"	10.0	109	70-130	20					
tert-Butyl alcohol (TBA)	40.7	"	50.0	81.3	25-162	30					
tert-Butylbenzene	8.35	"	10.0	83.5	77-138	30					
Tetrachloroethylene	9.51	"	10.0	95.1	70-130	20					
Toluene	10.5	"	10.0	105	70-130	20					
trans-1,2-Dichloroethylene	11.1	"	10.0	111	70-130	20					
trans-1,3-Dichloropropylene	10.7	"	10.0	107	70-130	20					
Trichloroethylene	10.2	"	10.0	102	70-130	20					
Trichlorofluoromethane	11.2	"	10.0	112	40-160	20					
Vinyl Chloride	11.4	"	10.0	114	70-130	20					
Surrogate: SURRE: 1,2-Dichloroethane-d4	11.0	"	10.0	110	70-130						
Surrogate: SURRE: Toluene-d8	10.3	"	10.0	103	70-130						



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	
		Limit			Result				RPD	Limit	Flag
Batch BD11466 - EPA 5030B										
LCS (BD11466-BS1)	LCS	Prepared & Analyzed: 04/27/2021								
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	9.58		ug/L	10.0		95.8	70-130			
LCS Dup (BD11466-BS1)	LCS Dup	Prepared & Analyzed: 04/27/2021								
1,1,1,2-Tetrachloroethane	9.77		ug/L	10.0		97.7	82-126		1.73	30
1,1,1-Trichloroethane	9.40		"	10.0		94.0	70-130		4.27	20
1,1,2,2-Tetrachloroethane	9.48		"	10.0		94.8	70-130		1.78	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5		"	10.0		105	70-130		4.74	20
1,1,2-Trichloroethane	10.4		"	10.0		104	70-130		3.83	20
1,1-Dichloroethane	9.80		"	10.0		98.0	70-130		3.80	20
1,1-Dichloroethylene	10.7		"	10.0		107	70-130		5.11	20
1,1-Dichloropropylene	9.56		"	10.0		95.6	83-133		3.29	30
1,2,3-Trichlorobenzene	7.84		"	10.0		78.4	70-130		1.28	20
1,2,3-Trichloropropane	9.10		"	10.0		91.0	77-128		1.42	30
1,2,4-Trichlorobenzene	8.61		"	10.0		86.1	70-130		1.15	20
1,2,4-Trimethylbenzene	9.55		"	10.0		95.5	82-132		6.29	20
1,2-Dibromo-3-chloropropane	9.27		"	10.0		92.7	40-160		1.41	20
1,2-Dibromoethane	10.3		"	10.0		103	70-130		1.96	20
1,2-Dichlorobenzene	8.92		"	10.0		89.2	70-130		3.74	20
1,2-Dichloroethane	10.4		"	10.0		104	70-130		0.384	20
1,2-Dichloropropane	10.6		"	10.0		106	70-130		3.07	20
1,3,5-Trimethylbenzene	9.64		"	10.0		96.4	80-131		6.52	30
1,3-Dichlorobenzene	8.89		"	10.0		88.9	70-130		5.68	20
1,3-Dichloropropane	10.5		"	10.0		105	81-125		1.05	30
1,4-Dichlorobenzene	8.83		"	10.0		88.3	70-130		4.86	20
1,4-Dioxane	216		"	210		103	40-160		8.53	20
2,2-Dichloropropane	10.2		"	10.0		102	56-150		5.18	30
2-Butanone	9.29		"	10.0		92.9	40-160		3.95	20
2-Chlorotoluene	8.53		"	10.0		85.3	79-130		7.34	30
2-Hexanone	11.8		"	10.0		118	40-160		5.03	20
4-Chlorotoluene	9.28		"	10.0		92.8	79-128		7.37	30
4-Methyl-2-pentanone	11.5		"	10.0		115	40-160		5.71	20
Acetone	10.1		"	10.0		101	40-160		2.41	20
Acrolein	9.17		"	10.0		91.7	10-153		2.54	30
Acrylonitrile	12.3		"	10.0		123	51-150		4.57	30
Benzene	9.63		"	10.0		96.3	70-130		3.67	20
Bromobenzene	9.59		"	10.0		95.9	78-129		5.18	30
Bromochloromethane	11.3		"	10.0		113	70-130		0.970	20
Bromodichloromethane	10.3		"	10.0		103	70-130		1.83	20
Bromoform	9.59		"	10.0		95.9	70-130		3.29	20
Bromomethane	7.88		"	10.0		78.8	40-160		7.57	20
Carbon disulfide	10.3		"	10.0		103	40-160		5.48	20
Carbon tetrachloride	9.48		"	10.0		94.8	70-130		3.73	20
Chlorobenzene	9.87		"	10.0		98.7	70-130		1.81	20
Chloroethane	10.5		"	10.0		105	40-160		4.65	20
Chloroform	9.63		"	10.0		96.3	70-130		2.76	20
Chloromethane	9.67		"	10.0		96.7	40-160		5.14	20
cis-1,2-Dichloroethylene	10.2		"	10.0		102	70-130		3.08	20
cis-1,3-Dichloropropylene	10.5		"	10.0		105	70-130		0.857	20
Cyclohexane	8.70		"	10.0		87.0	70-130		3.17	20
Dibromochloromethane	10.3		"	10.0		103	70-130		1.27	20
Dibromomethane	10.5		"	10.0		105	72-134		1.73	30



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	
		Limit			Result				RPD	Limit	Flag
Batch BD11466 - EPA 5030B										
LCS Dup (BD11466-BS1)	LCS Dup								Prepared & Analyzed: 04/27/2021	
Dichlorodifluoromethane	11.6		ug/L	10.0		116	40-160		7.68	20
Ethyl Benzene	10.6		"	10.0		106	70-130		3.16	20
Hexachlorobutadiene	11.4		"	10.0		114	67-146		0.701	30
Isopropylbenzene	9.10		"	10.0		91.0	70-130		8.32	20
Methyl acetate	10.2		"	10.0		102	70-130		4.90	20
Methyl tert-butyl ether (MTBE)	10.2		"	10.0		102	70-130		3.09	20
Methylcyclohexane	10.6		"	10.0		106	70-130		3.52	20
Methylene chloride	11.0		"	10.0		110	70-130		2.68	20
n-Butylbenzene	11.3		"	10.0		113	79-132		5.16	30
n-Propylbenzene	9.32		"	10.0		93.2	78-133		7.74	30
o-Xylene	10.6		"	10.0		106	70-130		1.68	20
p- & m- Xylenes	21.5		"	20.0		107	70-130		2.39	20
p-Isopropyltoluene	9.74		"	10.0		97.4	81-136		6.84	30
sec-Butylbenzene	10.1		"	10.0		101	79-137		6.67	30
Styrene	10.7		"	10.0		107	70-130		1.76	20
tert-Butyl alcohol (TBA)	44.8		"	50.0		89.5	25-162		9.58	30
tert-Butylbenzene	7.79		"	10.0		77.9	77-138		6.94	30
Tetrachloroethylene	9.11		"	10.0		91.1	70-130		4.30	20
Toluene	10.2		"	10.0		102	70-130		3.20	20
trans-1,2-Dichloroethylene	10.6		"	10.0		106	70-130		4.78	20
trans-1,3-Dichloropropylene	10.8		"	10.0		108	70-130		0.653	20
Trichloroethylene	9.89		"	10.0		98.9	70-130		3.18	20
Trichlorofluoromethane	10.6		"	10.0		106	40-160		5.86	20
Vinyl Chloride	10.5		"	10.0		105	70-130		8.15	20
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>11.1</i>		<i>"</i>	<i>10.0</i>		<i>111</i>	<i>70-130</i>			
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>70-130</i>			
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.17</i>		<i>"</i>	<i>10.0</i>		<i>91.7</i>	<i>70-130</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
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Batch BD11424 - EPA 3510C

Blank (BD11424-BLK1) Blank

Prepared: 04/27/2021 Analyzed: 04/28/2021

1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	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	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	ND	5.00	"								
N-nitroso-di-n-propylamine	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
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Batch BD11424 - EPA 3510C

Blank (BD11424-BLK1)	Blank	Prepared: 04/27/2021 Analyzed: 04/28/2021									
N-Nitrosodiphenylamine	ND	5.00	ug/L								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	13.5		"	50.0		27.0	19.7-63.1				
Surrogate: SURR: Phenol-d5	8.60		"	50.0		17.2	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	12.7		"	25.0		50.7	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	15.4		"	25.0		61.4	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	29.6		"	50.0		59.3	39.3-151				
Surrogate: SURR: Terphenyl-d14	17.1		"	25.0		68.3	30.7-106				

Blank (BD11424-BLK2)	Blank	Prepared: 04/27/2021 Analyzed: 04/28/2021									
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	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	"								
Benzdine	ND	5.00	"								
Benzo(a)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
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Batch BD11424 - EPA 3510C

Blank (BD11424-BLK2) Blank

Prepared: 04/27/2021 Analyzed: 04/28/2021

Benzo(a)pyrene	ND	0.0500	ug/L								
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	"								
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	"								
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: SURRE: 2-Fluorophenol	0.00		"	50.0			19.7-63.1				
Surrogate: SURRE: Phenol-d5	0.00		"	50.0			10.1-41.7				
Surrogate: SURRE: Nitrobenzene-d5	0.00		"	25.0			50.2-113				
Surrogate: SURRE: 2-Fluorobiphenyl	0.00		"	25.0			39.9-105				
Surrogate: SURRE: 2,4,6-Tribromophenol	0.00		"	50.0			39.3-151				
Surrogate: SURRE: 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 BD11424 - EPA 3510C											
LCS (BD11424-BS1)	LCS	Prepared: 04/27/2021 Analyzed: 04/28/2021									
1,1-Biphenyl	16.6	5.00	ug/L	25.0		66.2	33-95				
1,2,4,5-Tetrachlorobenzene	15.5	5.00	"	25.0		62.0	26-120				
1,2,4-Trichlorobenzene	13.2	5.00	"	25.0		52.6	20-118				
1,2-Dichlorobenzene	13.9	5.00	"	25.0		55.5	29-111				
1,2-Diphenylhydrazine (as Azobenzene)	17.0	5.00	"	25.0		67.9	16-141				
1,3-Dichlorobenzene	13.2	5.00	"	25.0		52.6	23-117				
1,4-Dichlorobenzene	13.2	5.00	"	25.0		52.8	30-105				
2,3,4,6-Tetrachlorophenol	17.3	5.00	"	25.0		69.1	30-130				
2,4,5-Trichlorophenol	16.0	5.00	"	25.0		64.1	32-114				
2,4,6-Trichlorophenol	15.5	5.00	"	25.0		62.1	35-118				
2,4-Dichlorophenol	14.5	5.00	"	25.0		58.1	25-116				
2,4-Dimethylphenol	14.1	5.00	"	25.0		56.5	15-116				
2,4-Dinitrophenol	10.0	5.00	"	25.0		40.1	10-170				
2,4-Dinitrotoluene	15.7	5.00	"	25.0		62.6	41-128				
2,6-Dinitrotoluene	15.8	5.00	"	25.0		63.1	45-116				
2-Chloronaphthalene	15.4	5.00	"	25.0		61.7	33-112				
2-Chlorophenol	13.8	5.00	"	25.0		55.2	15-120				
2-Methylnaphthalene	17.0	5.00	"	25.0		68.1	24-118				
2-Methylphenol	12.3	5.00	"	25.0		49.3	10-110				
2-Nitroaniline	16.5	5.00	"	25.0		65.9	34-129				
2-Nitrophenol	13.5	5.00	"	25.0		53.9	28-118				
3- & 4-Methylphenols	10.0	5.00	"	25.0		40.2	10-107				
3,3-Dichlorobenzidine	16.1	5.00	"	25.0		64.6	15-187				
3-Nitroaniline	14.5	5.00	"	25.0		57.8	24-134				
4,6-Dinitro-2-methylphenol	12.2	5.00	"	25.0		48.8	10-153				
4-Bromophenyl phenyl ether	14.5	5.00	"	25.0		58.0	34-120				
4-Chloro-3-methylphenol	16.4	5.00	"	25.0		65.8	20-120				
4-Chloroaniline	10.8	5.00	"	25.0		43.0	10-147				
4-Chlorophenyl phenyl ether	15.5	5.00	"	25.0		61.9	27-121				
4-Nitroaniline	16.9	5.00	"	25.0		67.6	13-134				
4-Nitrophenol	6.61	5.00	"	25.0		26.4	10-131				
Acetophenone	16.6	5.00	"	25.0		66.5	25-110				
Aniline	9.64	5.00	"	25.0		38.6	10-117				
Benzaldehyde	16.4	5.00	"	25.0		65.7	29-117				
Benzoic acid	2.58	5.00	"	25.0		10.3	30-130	Low Bias			
Benzyl alcohol	12.6	5.00	"	25.0		50.3	10-117				
Benzyl butyl phthalate	17.2	5.00	"	25.0		68.8	29-133				
Bis(2-chloroethoxy)methane	15.0	5.00	"	25.0		60.0	10-154				
Bis(2-chloroethyl)ether	15.6	5.00	"	25.0		62.6	17-125				
Bis(2-chloroisopropyl)ether	14.0	5.00	"	25.0		55.8	10-139				
Caprolactam	3.75	5.00	"	25.0		15.0	10-137				
Carbazole	17.7	5.00	"	25.0		70.8	42-126				
Dibenzofuran	17.3	5.00	"	25.0		69.0	36-113				
Diethyl phthalate	16.3	5.00	"	25.0		65.3	38-115				
Dimethyl phthalate	15.8	5.00	"	25.0		63.3	38-129				
Di-n-butyl phthalate	16.9	5.00	"	25.0		67.6	31-120				
Di-n-octyl phthalate	19.0	5.00	"	25.0		76.1	21-149				
Hexachlorocyclopentadiene	11.1	10.0	"	25.0		44.3	10-130				
Isophorone	15.2	5.00	"	25.0		60.7	25-127				
N-nitroso-di-n-propylamine	15.4	5.00	"	25.0		61.5	26-122				
N-Nitrosodiphenylamine	19.9	5.00	"	25.0		79.5	23-149				



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
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Batch BD11424 - EPA 3510C

LCS (BD11424-BS1)	LCS	Prepared: 04/27/2021 Analyzed: 04/28/2021									
Phenol	5.22	5.00	ug/L	25.0		20.9	10-110				
Pyridine	5.98	5.00	"	25.2		23.7	10-90				
Surrogate: SURR: 2-Fluorophenol	14.5		"	50.0		28.9	19.7-63.1				
Surrogate: SURR: Phenol-d5	9.48		"	50.0		19.0	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	13.7		"	25.0		54.7	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	15.7		"	25.0		62.7	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	31.9		"	50.0		63.8	39.3-151				
Surrogate: SURR: Terphenyl-d14	16.7		"	25.0		67.0	30.7-106				

LCS (BD11424-BS2)	LCS	Prepared: 04/27/2021 Analyzed: 04/28/2021									
1,1-Biphenyl	ND	5.00	ug/L				33-95				
1,2,4,5-Tetrachlorobenzene	ND	5.00	"				26-120				
1,2,4-Trichlorobenzene	ND	5.00	"	1.00			20-118	Low Bias			
1,2-Dichlorobenzene	ND	5.00	"	1.00			29-111	Low Bias			
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"	1.00			16-141	Low Bias			
1,3-Dichlorobenzene	ND	5.00	"	1.00			23-117	Low Bias			
1,4-Dichlorobenzene	ND	5.00	"	1.00			30-105	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	0.640	0.0500	"	1.00		64.0	25-116				
Acenaphthylene	0.660	0.0500	"	1.00		66.0	26-116				
Acetophenone	ND	5.00	"				25-110				
Aniline	ND	5.00	"	1.00			10-117	Low Bias			
Anthracene	0.680	0.0500	"	1.00		68.0	25-123				
Benzaldehyde	ND	5.00	"				29-117				
Benzo(a)anthracene	0.710	0.0500	"	1.00		71.0	33-125				
Benzo(a)pyrene	0.600	0.0500	"	1.00		60.0	32-132				
Benzo(b)fluoranthene	0.670	0.0500	"	1.00		67.0	22-137				
Benzo(g,h,i)perylene	0.670	0.0500	"	1.00		67.0	10-138				



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
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Batch BD11424 - EPA 3510C

LCS (BD11424-BS2)	LCS	Prepared: 04/27/2021 Analyzed: 04/28/2021									
Benzo(k)fluoranthene	0.640	0.0500	ug/L	1.00		64.0	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	1.09	0.500	"	1.00		109	10-189				
Caprolactam	ND	5.00	"				10-137				
Carbazole	ND	5.00	"	1.00			42-126	Low Bias			
Chrysene	0.760	0.0500	"	1.00		76.0	32-124				
Dibenzo(a,h)anthracene	0.650	0.0500	"	1.00		65.0	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			
Fluoranthene	0.790	0.0500	"	1.00		79.0	32-121				
Fluorene	0.710	0.0500	"	1.00		71.0	28-118				
Hexachlorobenzene	0.580	0.0200	"	1.00		58.0	23-124				
Hexachlorobutadiene	0.640	0.500	"	1.00		64.0	15-123				
Hexachlorocyclopentadiene	ND	10.0	"	1.00			10-130	Low Bias			
Hexachloroethane	0.550	0.500	"	1.00		55.0	18-115				
Indeno(1,2,3-cd)pyrene	0.640	0.0500	"	1.00		64.0	15-135				
Isophorone	ND	5.00	"	1.00			25-127	Low Bias			
Naphthalene	0.630	0.0500	"	1.00		63.0	18-120				
Nitrobenzene	0.590	0.250	"	1.00		59.0	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	0.460	0.250	"	1.00		46.0	10-156				
Phenanthrene	0.730	0.0500	"	1.00		73.0	24-127				
Phenol	ND	5.00	"	1.00			10-110	Low Bias			
Pyrene	0.720	0.0500	"	1.00		72.0	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 BD11424 - EPA 3510C												
Matrix Spike (BD11424-MS1)	Matrix Spike	*Source sample: 21D1189-01 (101 LMW-8)						Prepared: 04/27/2021 Analyzed: 04/29/2021				
1,1-Biphenyl	18.5	5.41	ug/L	27.0	ND	68.5	26-79					
1,2,4,5-Tetrachlorobenzene	16.8	5.41	"	27.0	ND	62.2	33-90					
1,2,4-Trichlorobenzene	14.7	5.41	"	27.0	ND	54.5	31-88					
1,2-Dichlorobenzene	16.1	5.41	"	27.0	ND	59.7	24-93					
1,2-Diphenylhydrazine (as Azobenzene)	20.3	5.41	"	27.0	ND	75.2	21-107					
1,3-Dichlorobenzene	15.1	5.41	"	27.0	ND	55.8	28-86					
1,4-Dichlorobenzene	15.4	5.41	"	27.0	ND	56.8	25-85					
2,3,4,6-Tetrachlorophenol	20.4	5.41	"	27.0	ND	75.4	30-130					
2,4,5-Trichlorophenol	17.7	5.41	"	27.0	ND	65.3	43-96					
2,4,6-Trichlorophenol	18.4	5.41	"	27.0	ND	67.9	46-94					
2,4-Dichlorophenol	16.9	5.41	"	27.0	ND	62.7	26-101					
2,4-Dimethylphenol	17.8	5.41	"	27.0	ND	65.8	10-104					
2,4-Dinitrophenol	23.3	5.41	"	27.0	ND	86.4	10-146					
2,4-Dinitrotoluene	19.6	5.41	"	27.0	ND	72.7	30-108					
2,6-Dinitrotoluene	18.8	5.41	"	27.0	ND	69.6	38-98					
2-Chloronaphthalene	16.8	5.41	"	27.0	ND	62.0	30-89					
2-Chlorophenol	16.2	5.41	"	27.0	ND	60.1	24-98					
2-Methylnaphthalene	19.1	5.41	"	27.0	ND	70.7	10-112					
2-Methylphenol	15.2	5.41	"	27.0	ND	56.2	10-134					
2-Nitroaniline	20.9	5.41	"	27.0	ND	77.2	25-110					
2-Nitrophenol	17.1	5.41	"	27.0	ND	63.3	10-139					
3- & 4-Methylphenols	12.4	5.41	"	27.0	ND	45.8	10-91					
3,3-Dichlorobenzidine	ND	5.41	"	27.0	ND		10-140	Low Bias				
3-Nitroaniline	16.8	5.41	"	27.0	ND	62.1	22-111					
4,6-Dinitro-2-methylphenol	18.4	5.41	"	27.0	ND	68.1	10-140					
4-Bromophenyl phenyl ether	15.2	5.41	"	27.0	ND	56.2	30-108					
4-Chloro-3-methylphenol	19.6	5.41	"	27.0	ND	72.6	11-109					
4-Chloroaniline	11.5	5.41	"	27.0	ND	42.7	10-116					
4-Chlorophenyl phenyl ether	16.0	5.41	"	27.0	ND	59.2	39-85					
4-Nitroaniline	19.6	5.41	"	27.0	ND	72.6	11-132					
4-Nitrophenol	10.7	5.41	"	27.0	ND	39.5	10-82					
Acetophenone	19.6	5.41	"	27.0	ND	72.7	14-102					
Aniline	11.7	5.41	"	27.0	ND	43.3	10-80					
Benzaldehyde	20.6	5.41	"	27.0	ND	76.2	13-87					
Benzoic acid	7.96	5.41	"	27.0	ND	29.4	10-162					
Benzyl alcohol	15.5	5.41	"	27.0	ND	57.4	10-102					
Benzyl butyl phthalate	20.7	5.41	"	27.0	ND	76.6	10-133					
Bis(2-chloroethoxy)methane	18.1	5.41	"	27.0	ND	67.0	18-105					
Bis(2-chloroethyl)ether	18.2	5.41	"	27.0	ND	67.3	10-108					
Bis(2-chloroisopropyl)ether	19.2	5.41	"	27.0	ND	70.9	13-116					
Caprolactam	5.04	5.41	"	27.0	ND	18.6	10-75					
Carbazole	19.9	5.41	"	27.0	ND	73.7	36-108					
Dibenzofuran	18.4	5.41	"	27.0	ND	68.0	34-92					
Diethyl phthalate	18.2	5.41	"	27.0	ND	67.4	33-98					
Dimethyl phthalate	17.6	5.41	"	27.0	ND	65.0	18-116					
Di-n-butyl phthalate	19.4	5.41	"	27.0	ND	71.6	25-97					
Di-n-octyl phthalate	22.7	5.41	"	27.0	ND	84.1	10-137					
Hexachlorocyclopentadiene	13.2	10.8	"	27.0	ND	48.9	10-79					
Isophorone	19.1	5.41	"	27.0	ND	70.8	25-103					
N-nitroso-di-n-propylamine	19.7	5.41	"	27.0	ND	73.0	19-115					
N-Nitrosodiphenylamine	22.6	5.41	"	27.0	ND	83.7	31-112					



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 BD11424 - EPA 3510C

Matrix Spike (BD11424-MS1)	Matrix Spike	*Source sample: 21D1189-01 (101_LMW-8)						Prepared: 04/27/2021	Analyzed: 04/29/2021
Phenol	6.90	5.41	ug/L	27.0	ND	25.5	10-61		
Pyridine	7.33	5.41	"	27.3	ND	26.9	10-78		
<i>Surrogate: SURR: 2-Fluorophenol</i>	<i>17.3</i>		"	<i>54.1</i>		<i>31.9</i>	<i>19.7-63.1</i>		
<i>Surrogate: SURR: Phenol-d5</i>	<i>12.1</i>		"	<i>54.1</i>		<i>22.3</i>	<i>10.1-41.7</i>		
<i>Surrogate: SURR: Nitrobenzene-d5</i>	<i>16.9</i>		"	<i>27.0</i>		<i>62.7</i>	<i>50.2-113</i>		
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	<i>16.5</i>		"	<i>27.0</i>		<i>61.1</i>	<i>39.9-105</i>		
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	<i>34.9</i>		"	<i>54.1</i>		<i>64.6</i>	<i>39.3-151</i>		
<i>Surrogate: SURR: Terphenyl-d14</i>	<i>17.4</i>		"	<i>27.0</i>		<i>64.3</i>	<i>30.7-106</i>		

Matrix Spike Dup (BD11424-1)	Matrix Spike Dup	*Source sample: 21D1189-01 (101_LMW-8)						Prepared: 04/27/2021	Analyzed: 04/29/2021
1,1-Biphenyl	18.5	5.56	ug/L	27.8	ND	66.6	26-79	0.0422	25
1,2,4,5-Tetrachlorobenzene	16.7	5.56	"	27.8	ND	60.1	33-90	0.661	25
1,2,4-Trichlorobenzene	14.5	5.56	"	27.8	ND	52.1	31-88	1.84	25
1,2-Dichlorobenzene	15.4	5.56	"	27.8	ND	55.3	24-93	4.85	25
1,2-Diphenylhydrazine (as Azobenzene)	20.1	5.56	"	27.8	ND	72.4	21-107	1.05	25
1,3-Dichlorobenzene	14.5	5.56	"	27.8	ND	52.2	28-86	4.00	25
1,4-Dichlorobenzene	15.1	5.56	"	27.8	ND	54.3	25-85	1.80	25
2,3,4,6-Tetrachlorophenol	20.7	5.56	"	27.8	ND	74.5	30-130	1.57	25
2,4,5-Trichlorophenol	18.6	5.56	"	27.8	ND	66.9	43-96	5.10	25
2,4,6-Trichlorophenol	18.0	5.56	"	27.8	ND	64.6	46-94	2.21	25
2,4-Dichlorophenol	17.2	5.56	"	27.8	ND	61.8	26-101	1.26	25
2,4-Dimethylphenol	18.0	5.56	"	27.8	ND	64.6	10-104	0.901	25
2,4-Dinitrophenol	22.7	5.56	"	27.8	ND	81.8	10-146	2.73	25
2,4-Dinitrotoluene	20.2	5.56	"	27.8	ND	72.8	30-108	2.85	25
2,6-Dinitrotoluene	24.6	5.56	"	27.8	ND	88.4	38-98	26.5	25 Non-dir.
2-Chloronaphthalene	16.5	5.56	"	27.8	ND	59.4	30-89	1.54	25
2-Chlorophenol	15.9	5.56	"	27.8	ND	57.2	24-98	2.17	25
2-Methylnaphthalene	18.7	5.56	"	27.8	ND	67.4	10-112	2.13	25
2-Methylphenol	15.1	5.56	"	27.8	ND	54.5	10-134	0.295	25
2-Nitroaniline	21.3	5.56	"	27.8	ND	76.5	25-110	1.91	25
2-Nitrophenol	17.8	5.56	"	27.8	ND	64.2	10-139	4.18	25
3- & 4-Methylphenols	12.5	5.56	"	27.8	ND	44.9	10-91	0.800	25
3,3-Dichlorobenzidine	ND	5.56	"	27.8	ND		10-140	Low Bias	25
3-Nitroaniline	19.0	5.56	"	27.8	ND	68.5	22-111	12.5	25
4,6-Dinitro-2-methylphenol	19.3	5.56	"	27.8	ND	69.3	10-140	4.49	25
4-Bromophenyl phenyl ether	15.3	5.56	"	27.8	ND	55.2	30-108	0.872	25
4-Chloro-3-methylphenol	19.1	5.56	"	27.8	ND	68.9	11-109	2.57	25
4-Chloroaniline	12.8	5.56	"	27.8	ND	46.2	10-116	10.5	25
4-Chlorophenyl phenyl ether	16.3	5.56	"	27.8	ND	58.8	39-85	2.06	25
4-Nitroaniline	20.4	5.56	"	27.8	ND	73.3	11-132	3.78	25
4-Nitrophenol	11.0	5.56	"	27.8	ND	39.6	10-82	3.04	25
Acetophenone	19.7	5.56	"	27.8	ND	70.9	14-102	0.232	25
Aniline	13.1	5.56	"	27.8	ND	47.0	10-80	11.1	25
Benzaldehyde	20.0	5.56	"	27.8	ND	71.9	13-87	3.04	25
Benzoic acid	8.81	5.56	"	27.8	ND	31.7	10-162	10.2	25
Benzyl alcohol	15.8	5.56	"	27.8	ND	56.9	10-102	1.90	25
Benzyl butyl phthalate	20.6	5.56	"	27.8	ND	74.2	10-133	0.390	25
Bis(2-chloroethoxy)methane	17.4	5.56	"	27.8	ND	62.7	18-105	3.92	25
Bis(2-chloroethyl)ether	18.1	5.56	"	27.8	ND	65.0	10-108	0.708	25
Bis(2-chloroisopropyl)ether	18.4	5.56	"	27.8	ND	66.2	13-116	4.21	25
Caprolactam	5.73	5.56	"	27.8	ND	20.6	10-75	12.9	25



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
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Batch BD11424 - EPA 3510C

Matrix Spike Dup (BD11424-1) Matrix Spike Dup Source sample: 21D1189-01 (101 LMW-8) Prepared: 04/27/2021 Analyzed: 04/29/2021

Carbazole	19.7	5.56	ug/L	27.8	ND	70.8	36-108		1.25	25	
Dibenzofuran	18.0	5.56	"	27.8	ND	64.8	34-92		2.08	25	
Diethyl phthalate	18.3	5.56	"	27.8	ND	66.0	33-98		0.580	25	
Dimethyl phthalate	17.6	5.56	"	27.8	ND	63.5	18-116		0.435	25	
Di-n-butyl phthalate	19.4	5.56	"	27.8	ND	69.8	25-97		0.138	25	
Di-n-octyl phthalate	23.1	5.56	"	27.8	ND	83.2	10-137		1.64	25	
Hexachlorocyclopentadiene	13.1	11.1	"	27.8	ND	47.2	10-79		0.673	25	
Isophorone	18.8	5.56	"	27.8	ND	67.8	25-103		1.53	25	
N-nitroso-di-n-propylamine	18.8	5.56	"	27.8	ND	67.6	19-115		5.06	25	
N-Nitrosodiphenylamine	22.0	5.56	"	27.8	ND	79.2	31-112		2.76	25	
Phenol	6.52	5.56	"	27.8	ND	23.5	10-61		5.59	25	
Pyridine	8.76	5.56	"	28.1	ND	31.2	10-78		17.7	25	
Surrogate: SURR: 2-Fluorophenol	16.5		"	55.6		29.7	19.7-63.1				
Surrogate: SURR: Phenol-d5	11.4		"	55.6		20.5	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	17.2		"	27.8		61.8	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	16.4		"	27.8		58.9	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	34.5		"	55.6		62.0	39.3-151				
Surrogate: SURR: Terphenyl-d14	18.6		"	27.8		67.0	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 BD11577 - EPA 3535A												
Blank (BD11577-BLK1)	Blank								Prepared: 04/29/2021 Analyzed: 04/30/2021			
1,4-Dioxane	ND	0.300	ug/L									
<i>Surrogate: 1,4-Dioxane-d8</i>	2.56		"	4.00		64.0	36.6-118					
LCS (BD11577-BS1)	LCS								Prepared: 04/29/2021 Analyzed: 04/30/2021			
1,4-Dioxane	4.58	0.300	ug/L	4.00		114	50-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	2.24		"	4.00		56.0	36.6-118					
Matrix Spike (BD11577-MS1)	Matrix Spike	*Source sample: 21D1189-01 (101_LMW-8)								Prepared: 04/29/2021 Analyzed: 04/30/2021		
1,4-Dioxane	4.86	0.300	ug/L	4.00	0.224	116	50-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	2.24		"	4.00		56.0	50-130					
Matrix Spike Dup (BD11577-MS1)	Matrix Spike Dup	*Source sample: 21D1189-01 (101_LMW-8)								Prepared: 04/29/2021 Analyzed: 04/30/2021		
1,4-Dioxane	4.90	0.300	ug/L	4.00	0.224	117	50-130		0.656	30		
<i>Surrogate: 1,4-Dioxane-d8</i>	2.88		"	4.00		72.0	50-130					
Batch BE10012 - EPA 3535A												
Blank (BE10012-BLK1)	Blank								Prepared & Analyzed: 05/03/2021			
1,4-Dioxane	ND	0.300	ug/L									
<i>Surrogate: 1,4-Dioxane-d8</i>	3.52		"	4.00		88.0	36.6-118					
LCS (BE10012-BS1)	LCS								Prepared & Analyzed: 05/03/2021			
1,4-Dioxane	4.58	0.300	ug/L	4.00		114	50-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	3.36		"	4.00		84.0	36.6-118					
LCS Dup (BE10012-BSD1)	LCS Dup								Prepared & Analyzed: 05/03/2021			
1,4-Dioxane	4.67	0.300	ug/L	4.00		117	50-130		2.08	30		
<i>Surrogate: 1,4-Dioxane-d8</i>	2.88		"	4.00		72.0	36.6-118					



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
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Batch BD11475 - SPE Ext-PFAS-EPA 537.1M

Blank (BD11475-BLK1)	Blank	Prepared: 04/27/2021 Analyzed: 04/29/2021									
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	72.4		"	74.3		97.5	25-150				
Surrogate: M5PFHxA	77.3		"	80.0		96.7	25-150				
Surrogate: M4PFHpA	77.4		"	80.0		96.7	25-150				
Surrogate: M3PFHxS	77.0		"	75.7		102	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	82.6		"	80.0		103	25-150				
Surrogate: M6PFDA	88.6		"	80.0		111	25-150				
Surrogate: M7PFUdA	88.4		"	80.0		111	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	75.2		"	80.0		94.0	25-150				
Surrogate: M2PFTeDA	54.3		"	80.0		67.9	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	77.5		"	80.0		96.9	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	88.4		"	76.6		115	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	78.4		"	80.0		98.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	40.9		"	80.0		51.1	10-150				
Surrogate: d3-N-MeFOSAA	69.5		"	80.0		86.8	25-150				
Surrogate: d5-N-EtFOSAA	79.1		"	80.0		98.9	25-150				
Surrogate: M2-6:2 FTS	83.5		"	75.9		110	25-150				
Surrogate: M2-8:2 FTS	114		"	76.6		148	25-150				
Surrogate: M9PFNA	85.2		"	80.0		106	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BD11475 - SPE Ext-PFAS-EPA 537.1M

LCS (BD11475-BS1)	LCS	Prepared: 04/27/2021 Analyzed: 04/29/2021									
Perfluorobutanesulfonic acid (PFBS)	73.9	2.00	ng/L	70.8		104	50-130				
Perfluorohexanoic acid (PFHxA)	82.1	2.00	"	80.0		103	50-130				
Perfluoroheptanoic acid (PFHpA)	81.7	2.00	"	80.0		102	50-130				
Perfluorohexanesulfonic acid (PFHxS)	75.5	2.00	"	73.0		103	50-130				
Perfluorooctanoic acid (PFOA)	86.5	2.00	"	80.0		108	50-130				
Perfluorooctanesulfonic acid (PFOS)	72.4	2.00	"	74.1		97.8	50-130				
Perfluorononanoic acid (PFNA)	72.5	2.00	"	80.0		90.6	50-130				
Perfluorodecanoic acid (PFDA)	81.7	2.00	"	80.0		102	50-130				
Perfluoroundecanoic acid (PFUnA)	83.7	2.00	"	80.0		105	50-130				
Perfluorododecanoic acid (PFDoA)	80.7	2.00	"	80.0		101	50-130				
Perfluorotridecanoic acid (PFTrDA)	69.0	2.00	"	80.0		86.2	50-130				
Perfluorotetradecanoic acid (PFTA)	82.0	2.00	"	80.0		102	50-130				
N-MeFOSAA	83.9	2.00	"	80.0		105	50-130				
N-EtFOSAA	79.6	2.00	"	80.0		99.4	50-130				
Perfluoropentanoic acid (PFPeA)	80.4	2.00	"	80.0		100	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	80.8	2.00	"	80.0		101	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	78.6	2.00	"	76.0		103	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	72.5	2.00	"	77.2		94.0	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	73.7	5.00	"	76.0		97.0	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	76.6	2.00	"	76.8		99.8	50-130				
Perfluoro-n-butanoic acid (PFBA)	80.8	2.00	"	80.0		101	50-130				
Surrogate: M3PFBS	79.7		"	74.3		107	25-150				
Surrogate: M5PFHxA	84.9		"	80.0		106	25-150				
Surrogate: M4PFHpA	86.1		"	80.0		108	25-150				
Surrogate: M3PFHxS	84.1		"	75.7		111	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	86.7		"	80.0		108	25-150				
Surrogate: M6PFDA	80.2		"	80.0		100	25-150				
Surrogate: M7PFUdA	75.9		"	80.0		94.8	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	71.2		"	80.0		89.0	25-150				
Surrogate: M2PFTeDA	44.0		"	80.0		55.0	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	85.7		"	80.0		107	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	88.3		"	76.6		115	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	86.7		"	80.0		108	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	46.8		"	80.0		58.5	10-150				
Surrogate: d3-N-MeFOSAA	61.1		"	80.0		76.3	25-150				
Surrogate: d5-N-EtFOSAA	58.0		"	80.0		72.5	25-150				
Surrogate: M2-6:2 FTS	92.2		"	75.9		121	25-150				
Surrogate: M2-8:2 FTS	97.4		"	76.6		127	25-150				
Surrogate: M9PFNA	86.5		"	80.0		108	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 BD11475 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike (BD11475-MS1) Matrix Spike						*Source sample: 21D1189-01 (101_LMW-8)			Prepared: 04/27/2021 Analyzed: 04/29/2021		
Perfluorobutanesulfonic acid (PFBS)	68.8	1.81	ng/L	64.1	5.33	99.0	25-150				
Perfluorohexanoic acid (PFHxA)	109	1.81	"	72.5	34.1	104	25-150				
Perfluoroheptanoic acid (PFHpA)	119	1.81	"	72.5	23.5	132	25-150				
Perfluorohexanesulfonic acid (PFHxS)	69.9	1.81	"	66.1	4.55	98.9	25-150				
Perfluorooctanoic acid (PFOA)	133	1.81	"	72.5	73.5	82.5	25-150				
Perfluorooctanesulfonic acid (PFOS)	49.1	1.81	"	67.1	5.33	65.2	25-150				
Perfluorononanoic acid (PFNA)	65.7	1.81	"	72.5	0.811	89.5	25-150				
Perfluorodecanoic acid (PFDA)	69.5	1.81	"	72.5	0.500	95.2	25-150				
Perfluoroundecanoic acid (PFUnA)	73.8	1.81	"	72.5	ND	102	25-150				
Perfluorododecanoic acid (PFDoA)	72.8	1.81	"	72.5	ND	100	25-150				
Perfluorotridecanoic acid (PFTrDA)	74.1	1.81	"	72.5	ND	102	25-150				
Perfluorotetradecanoic acid (PFTA)	72.0	1.81	"	72.5	ND	99.4	25-150				
N-MeFOSAA	67.5	1.81	"	72.5	ND	93.1	25-150				
N-EtFOSAA	72.8	1.81	"	72.5	ND	101	25-150				
Perfluoropentanoic acid (PFPeA)	90.6	1.81	"	72.5	24.2	91.6	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	68.6	1.81	"	72.5	ND	94.6	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	67.6	1.81	"	68.8	ND	98.1	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	68.5	1.81	"	69.9	ND	97.9	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	66.3	4.53	"	68.8	2.00	93.3	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	116	1.81	"	69.6	ND	167	25-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	80.1	1.81	"	72.5	15.7	88.9	25-150				
Surrogate: M3PFBS	62.8		"	67.3		93.3	25-150				
Surrogate: M5PFHxA	34.6		"	72.5		47.8	25-150				
Surrogate: M4PFHpA	36.0		"	72.5		49.6	25-150				
Surrogate: M3PFHxS	84.3		"	68.6		123	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	64.3		"	72.5		88.7	25-150				
Surrogate: M6PFDA	95.5		"	72.5		132	25-150				
Surrogate: M7PFUdA	95.2		"	72.5		131	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	95.3		"	72.5		132	25-150				
Surrogate: M2PFTeDA	84.5		"	72.5		117	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.81		"	72.5		6.64	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	95.3		"	69.3		137	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	19.8		"	72.5		27.3	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	29.4		"	72.5		40.5	10-150				
Surrogate: d3-N-MeFOSAA	78.2		"	72.5		108	25-150				
Surrogate: d5-N-EtFOSAA	103		"	72.5		142	25-150				
Surrogate: M2-6:2 FTS	183		"	68.8		266	25-150				
Surrogate: M2-8:2 FTS	92.2		"	69.4		133	25-150				
Surrogate: M9PFNA	82.4		"	72.5		114	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit								Level	Result	Limit	Flag
Batch BD11475 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike Dup (BD11475-1) Matrix Spike Dup Source sample: 21D1189-01 (101_LMW-8)											
Prepared: 04/27/2021 Analyzed: 04/29/2021											
Perfluorobutanesulfonic acid (PFBS)	75.0	1.85	ng/L	65.6	5.33	106	25-150			8.57	35
Perfluorohexanoic acid (PFHxA)	110	1.85	"	74.1	34.1	103	25-150			0.765	35
Perfluoroheptanoic acid (PFHpA)	114	1.85	"	74.1	23.5	122	25-150			4.53	35
Perfluorohexanesulfonic acid (PFHxS)	58.8	1.85	"	67.6	4.55	80.4	25-150			17.2	35
Perfluorooctanoic acid (PFOA)	140	1.85	"	74.1	73.5	90.0	25-150			5.05	35
Perfluorooctanesulfonic acid (PFOS)	66.2	1.85	"	68.6	5.33	88.7	25-150			29.7	35
Perfluorononanoic acid (PFNA)	63.8	1.85	"	74.1	0.811	85.0	25-150			2.95	35
Perfluorodecanoic acid (PFDA)	67.7	1.85	"	74.1	0.500	90.7	25-150			2.62	35
Perfluoroundecanoic acid (PFUnA)	77.4	1.85	"	74.1	ND	105	25-150			4.83	35
Perfluorododecanoic acid (PFDoA)	71.0	1.85	"	74.1	ND	95.8	25-150			2.58	35
Perfluorotridecanoic acid (PFTrDA)	69.6	1.85	"	74.1	ND	94.0	25-150			6.20	35
Perfluorotetradecanoic acid (PFTA)	74.7	1.85	"	74.1	ND	101	25-150			3.62	35
N-MeFOSAA	73.1	1.85	"	74.1	ND	98.7	25-150			8.02	35
N-EtFOSAA	70.6	1.85	"	74.1	ND	95.3	25-150			3.15	35
Perfluoropentanoic acid (PFPeA)	104	1.85	"	74.1	24.2	108	25-150			13.8	35
Perfluoro-1-octanesulfonamide (FOSA)	71.9	1.85	"	74.1	ND	97.1	25-150			4.83	35
Perfluoro-1-heptanesulfonic acid (PFHpS)	67.3	1.85	"	70.4	ND	95.7	25-150			0.327	35
Perfluoro-1-decanesulfonic acid (PFDS)	68.8	1.85	"	71.5	ND	96.2	25-150			0.451	35
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	69.8	4.63	"	70.4	2.00	96.4	25-150			5.21	35
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	47.2	1.85	"	71.1	ND	66.3	25-150			84.6	35 Non-dir.
Perfluoro-n-butanoic acid (PFBA)	75.6	1.85	"	74.1	15.7	80.9	25-150			5.77	35
Surrogate: M3PFBS	68.3		"	68.8		99.2	25-150				
Surrogate: M5PFHxA	36.8		"	74.1		49.7	25-150				
Surrogate: M4PFHpA	39.7		"	74.1		53.6	25-150				
Surrogate: M3PFHxS	99.1		"	70.1		141	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	69.9		"	74.1		94.3	25-150				
Surrogate: M6PFDA	104		"	74.1		141	25-150				
Surrogate: M7PFUdA	103		"	74.1		139	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	102		"	74.1		138	25-150				
Surrogate: M2PFTeDA	85.8		"	74.1		116	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.21		"	74.1		5.68	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	117		"	70.9		164	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	20.1		"	74.1		27.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	34.3		"	74.1		46.4	10-150				
Surrogate: d3-N-MeFOSAA	80.2		"	74.1		108	25-150				
Surrogate: d5-N-EtFOSAA	112		"	74.1		151	25-150				
Surrogate: M2-6:2 FTS	209		"	70.3		297	25-150				
Surrogate: M2-8:2 FTS	133		"	71.0		187	25-150				
Surrogate: M9PFNA	86.9		"	74.1		117	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
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Batch BD11495 - EPA SW846-3510C Low Level

Blank (BD11495-BLK1)	Blank	Prepared: 04/28/2021 Analyzed: 04/30/2021									
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 (alpha, gamma)	ND	0.0100	"								

Surrogate: Decachlorobiphenyl	0.163		"	0.200		81.5	30-150				
Surrogate: Tetrachloro-m-xylene	0.126		"	0.200		63.2	30-150				

LCS (BD11495-BS1)	LCS	Prepared: 04/28/2021 Analyzed: 04/30/2021									
4,4'-DDD	0.0908	0.00400	ug/L	0.100		90.8	40-140				20
4,4'-DDE	0.0768	0.00400	"	0.100		76.8	40-140				20
4,4'-DDT	0.0833	0.00400	"	0.100		83.3	40-140				20
Aldrin	0.0573	0.00400	"	0.100		57.3	40-140				20
alpha-BHC	0.0658	0.00400	"	0.100		65.8	40-140				20
alpha-Chlordane	0.0671	0.00400	"	0.100		67.1	40-140				20
beta-BHC	0.0833	0.00400	"	0.100		83.3	40-140				20
delta-BHC	0.0819	0.00400	"	0.100		81.9	40-140				20
Dieldrin	0.0790	0.00200	"	0.100		79.0	40-140				20
Endosulfan I	0.0738	0.00400	"	0.100		73.8	40-140				20
Endosulfan II	0.0858	0.00400	"	0.100		85.8	40-140				20
Endosulfan sulfate	0.0807	0.00400	"	0.100		80.7	40-140				20
Endrin	0.0787	0.00400	"	0.100		78.7	40-140				20
Endrin aldehyde	0.0813	0.0100	"	0.100		81.3	40-140				20
Endrin ketone	0.0894	0.0100	"	0.100		89.4	40-140				20
gamma-BHC (Lindane)	0.0677	0.00400	"	0.100		67.7	40-140				20
gamma-Chlordane	0.0743	0.0100	"	0.100		74.3	40-140				20
Heptachlor	0.0822	0.00400	"	0.100		82.2	40-140				20
Heptachlor epoxide	0.0756	0.00400	"	0.100		75.6	40-140				20
Methoxychlor	0.0763	0.00400	"	0.100		76.3	40-140				20

Surrogate: Decachlorobiphenyl	0.133		"	0.200		66.3	30-150				
Surrogate: Tetrachloro-m-xylene	0.126		"	0.200		63.0	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
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Batch BD11495 - EPA SW846-3510C Low Level

Matrix Spike (BD11495-MS1)	Matrix Spike	*Source sample: 21D1189-01 (101 LMW-8)						Prepared: 04/28/2021 Analyzed: 04/30/2021			
4,4'-DDD	0.0701	0.00400	ug/L	0.100	ND	70.1	30-150				20
4,4'-DDE	0.0633	0.00400	"	0.100	ND	63.3	30-150				20
4,4'-DDT	0.0662	0.00400	"	0.100	ND	66.2	30-150				20
Aldrin	0.0586	0.00400	"	0.100	ND	58.6	30-150				20
alpha-BHC	0.0562	0.00400	"	0.100	ND	56.2	30-150				20
alpha-Chlordane	0.0585	0.00400	"	0.100	ND	58.5	30-150				20
beta-BHC	0.0861	0.00400	"	0.100	ND	86.1	30-150				20
delta-BHC	0.0814	0.00400	"	0.100	ND	81.4	30-150				20
Dieldrin	0.0649	0.00200	"	0.100	ND	64.9	30-150				20
Endosulfan I	0.0597	0.00400	"	0.100	ND	59.7	30-150				20
Endosulfan II	0.0805	0.00400	"	0.100	ND	80.5	30-150				20
Endosulfan sulfate	0.0639	0.00400	"	0.100	ND	63.9	30-150				20
Endrin	0.0992	0.00400	"	0.100	ND	99.2	30-150				20
Endrin aldehyde	0.0581	0.0100	"	0.100	ND	58.1	30-150				20
Endrin ketone	0.0715	0.0100	"	0.100	ND	71.5	30-150				20
gamma-BHC (Lindane)	0.0694	0.00400	"	0.100	ND	69.4	30-150				20
gamma-Chlordane	0.0598	0.0100	"	0.100	ND	59.8	30-150				20
Heptachlor	0.0996	0.00400	"	0.100	ND	99.6	30-150				20
Heptachlor epoxide	0.0640	0.00400	"	0.100	ND	64.0	30-150				20
Methoxychlor	0.0580	0.00400	"	0.100	ND	58.0	30-150				20
Surrogate: Decachlorobiphenyl	0.0849		"	0.200		42.4	30-150				
Surrogate: Tetrachloro-m-xylene	0.105		"	0.200		52.6	30-150				

Matrix Spike Dup (BD11495-1)	Matrix Spike Dup	*Source sample: 21D1189-01 (101 LMW-8)						Prepared: 04/28/2021 Analyzed: 04/30/2021			
4,4'-DDD	0.0767	0.00421	ug/L	0.105	ND	72.9	30-150		9.01		20
4,4'-DDE	0.0697	0.00421	"	0.105	ND	66.2	30-150		9.65		20
4,4'-DDT	0.0745	0.00421	"	0.105	ND	70.7	30-150		11.8		20
Aldrin	0.0647	0.00421	"	0.105	ND	61.5	30-150		9.93		20
alpha-BHC	0.0615	0.00421	"	0.105	ND	58.4	30-150		9.04		20
alpha-Chlordane	0.0647	0.00421	"	0.105	ND	61.5	30-150		10.1		20
beta-BHC	0.0920	0.00421	"	0.105	ND	87.4	30-150		6.64		20
delta-BHC	0.0902	0.00421	"	0.105	ND	85.7	30-150		10.3		20
Dieldrin	0.0724	0.00211	"	0.105	ND	68.8	30-150		10.9		20
Endosulfan I	0.0657	0.00421	"	0.105	ND	62.4	30-150		9.59		20
Endosulfan II	0.0907	0.00421	"	0.105	ND	86.1	30-150		11.8		20
Endosulfan sulfate	0.0726	0.00421	"	0.105	ND	69.0	30-150		12.9		20
Endrin	0.103	0.00421	"	0.105	ND	98.0	30-150		3.93		20
Endrin aldehyde	0.0691	0.0105	"	0.105	ND	65.6	30-150		17.2		20
Endrin ketone	0.0802	0.0105	"	0.105	ND	76.2	30-150		11.5		20
gamma-BHC (Lindane)	0.0783	0.00421	"	0.105	ND	74.4	30-150		12.1		20
gamma-Chlordane	0.0662	0.0105	"	0.105	ND	62.9	30-150		10.2		20
Heptachlor	0.0903	0.00421	"	0.105	ND	85.8	30-150		9.71		20
Heptachlor epoxide	0.0708	0.00421	"	0.105	ND	67.3	30-150		10.1		20
Methoxychlor	0.0650	0.00421	"	0.105	ND	61.7	30-150		11.3		20
Surrogate: Decachlorobiphenyl	0.0879		"	0.211		41.8	30-150				
Surrogate: Tetrachloro-m-xylene	0.119		"	0.211		56.3	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
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Batch Y1D0212 - BC11630

Performance Mix (Y1D0212-F Performance Mix)							Prepared & Analyzed: 04/01/2021				
4,4'-DDD	10.7		ng/mL	0.00			0-200				
4,4'-DDE	0.811		"	0.00			0-200				
4,4'-DDT	247		"	200		123	0-200				
Endrin	129		"	100		129	0-200				
Endrin aldehyde	0.667		"	0.00			0-200				
Endrin ketone	2.54		"	0.00			0-200				

Batch Y1E0326 - BD11072

Performance Mix (Y1E0326-P Performance Mix)							Prepared & Analyzed: 04/30/2021				
4,4'-DDD	8.67		ng/mL	0.00			0-200				
4,4'-DDE	1.43		"	0.00			0-200				
4,4'-DDT	114		"	200		57.0	0-200				
Endrin	72.1		"	100		72.1	0-200				
Endrin aldehyde	1.44		"	0.00			0-200				
Endrin ketone	4.39		"	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 BD11495 - EPA SW846-3510C Low Level												
Blank (BD11495-BLK2)	Blank								Prepared: 04/28/2021 Analyzed: 04/29/2021			
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	"									
Total PCBs	ND	0.0500	"									
<i>Surrogate: Tetrachloro-m-xylene</i>	0.129		"	0.200		64.5	30-150					
<i>Surrogate: Decachlorobiphenyl</i>	0.130		"	0.200		65.0	30-150					
LCS (BD11495-BS2)	LCS								Prepared: 04/28/2021 Analyzed: 04/29/2021			
Aroclor 1016	0.974	0.0500	ug/L	1.00		97.4	40-120			20		
Aroclor 1260	0.934	0.0500	"	1.00		93.4	40-120			20		
<i>Surrogate: Tetrachloro-m-xylene</i>	0.151		"	0.200		75.5	30-150					
<i>Surrogate: Decachlorobiphenyl</i>	0.137		"	0.200		68.5	30-150					
Matrix Spike (BD11495-MS2)	Matrix Spike	*Source sample: 21D1189-01 (101_LMW-8)						Prepared: 04/28/2021 Analyzed: 04/30/2021				
Aroclor 1016	0.953	0.0541	ug/L	1.08	ND	88.1	40-140			20		
Aroclor 1260	1.00	0.0541	"	1.08	ND	92.7	40-140			20		
<i>Surrogate: Tetrachloro-m-xylene</i>	0.136		"	0.216		63.0	30-150					
<i>Surrogate: Decachlorobiphenyl</i>	0.107		"	0.216		49.5	30-150					
Matrix Spike Dup (BD11495-MS2)	Matrix Spike Dup	*Source sample: 21D1189-01 (101_LMW-8)						Prepared: 04/28/2021 Analyzed: 04/30/2021				
Aroclor 1016	0.894	0.0513	ug/L	1.03	ND	87.2	40-140		6.38	20		
Aroclor 1260	0.934	0.0513	"	1.03	ND	91.0	40-140		7.11	20		
<i>Surrogate: Tetrachloro-m-xylene</i>	0.130		"	0.205		63.5	30-150					
<i>Surrogate: Decachlorobiphenyl</i>	0.0954		"	0.205		46.5	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
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Batch Y1D2935 - BD11569

Aroclor Reference (Y1D2935)- Aroclor Reference

Prepared & Analyzed: 04/29/2021

Surrogate: Tetrachloro-m-xylene	0.220		ug/mL	0.200		110					
Surrogate: Decachlorobiphenyl	0.205		"	0.200		102					



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
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Batch BD11581 - EPA 8151A

Blank (BD11581-BLK1)		Blank		Prepared & Analyzed: 04/29/2021							
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>		111	"	125		88.6	30-150				

LCS (BD11581-BS1)		LCS		Prepared & Analyzed: 04/29/2021							
2,4,5-T	27.0	5.00	ug/L	40.0		67.5	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				
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>		104	"	125		82.8	30-150				

Matrix Spike (BD11581-MS1)		Matrix Spike		*Source sample: 21D1189-01 (101_LMW-8)		Prepared & Analyzed: 04/29/2021					
2,4,5-T	32.2	5.00	ug/L	40.0	ND	80.6	30-150				
2,4,5-TP (Silvex)	33.8	5.00	"	40.0	ND	84.4	30-150				
2,4-D	32.5	5.00	"	40.0	ND	81.2	30-150				
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>		110	"	125		88.2	30-150				

Matrix Spike Dup (BD11581-MS2)		Matrix Spike Dup		*Source sample: 21D1189-01 (101_LMW-8)		Prepared & Analyzed: 04/29/2021					
2,4,5-T	33.0	5.00	ug/L	40.0	ND	82.5	30-150		2.30	30	
2,4,5-TP (Silvex)	33.5	5.00	"	40.0	ND	83.8	30-150		0.743	30	
2,4-D	33.8	5.00	"	40.0	ND	84.4	30-150		3.77	30	
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>		118	"	125		94.4	30-150				

Batch BD11655 - EPA 8151A

Blank (BD11655-BLK1)		Blank		Prepared & Analyzed: 04/30/2021							
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>		126	"	125		101	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
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Batch BD11655 - EPA 8151A

LCS (BD11655-BS1)	LCS	Prepared & Analyzed: 04/30/2021									
2,4,5-T	31.0	5.00	ug/L	40.0		77.5	10-140				
2,4,5-TP (Silvex)	33.0	5.00	"	40.0		82.5	10-139				
2,4-D	31.8	5.00	"	40.0		79.4	10-140				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	122		"	125		97.2	30-150				

LCS Dup (BD11655-BSD1)	LCS Dup	Prepared & Analyzed: 04/30/2021									
2,4,5-T	28.8	5.00	ug/L	40.0		71.9	10-140		7.53	30	
2,4,5-TP (Silvex)	30.5	5.00	"	40.0		76.2	10-139		7.87	30	
2,4-D	30.0	5.00	"	40.0		75.0	10-140		5.67	30	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	116		"	125		93.2	30-150				

Batch BE10006 - EPA 8151A

Blank (BE10006-BLK1)	Blank	Prepared & Analyzed: 05/03/2021									
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)	86.0		"	125		68.8	30-150				

LCS (BE10006-BS1)	LCS	Prepared & Analyzed: 05/03/2021									
2,4,5-T	28.2	5.00	ug/L	40.0		70.6	10-140				
2,4,5-TP (Silvex)	31.8	5.00	"	40.0		79.4	10-139				
2,4-D	29.8	5.00	"	40.0		74.4	10-140				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	113		"	125		90.4	30-150				

LCS Dup (BE10006-BSD1)	LCS Dup	Prepared & Analyzed: 05/03/2021									
2,4,5-T	21.8	5.00	ug/L	40.0		54.4	10-140		26.0	30	
2,4,5-TP (Silvex)	24.2	5.00	"	40.0		60.6	10-139		26.8	30	
2,4-D	22.8	5.00	"	40.0		56.9	10-140		26.7	30	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	86.5		"	125		69.2	30-150				



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

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

Batch BD11436 - EPA 3015A

Blank (BD11436-BLK1) Blank Prepared: 04/27/2021 Analyzed: 04/28/2021

Aluminum - Dissolved	ND	0.0556	mg/L
Barium - Dissolved	ND	0.0278	"
Calcium - Dissolved	0.113	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	"

LCS (BD11436-BS1) LCS Prepared: 04/27/2021 Analyzed: 04/28/2021

Aluminum - Dissolved	1.96	ug/mL	2.00	98.1	80-120
Barium - Dissolved	2.05	"	2.00	103	80-120
Calcium - Dissolved	1.05	"	1.00	105	80-120
Chromium - Dissolved	0.198	"	0.200	98.8	80-120
Cobalt - Dissolved	0.524	"	0.500	105	80-120
Copper - Dissolved	0.244	"	0.250	97.4	80-120
Iron - Dissolved	1.03	"	1.00	103	80-120
Lead - Dissolved	0.532	"	0.500	106	80-120
Magnesium - Dissolved	1.01	"	1.00	101	80-120
Manganese - Dissolved	0.509	"	0.500	102	80-120
Nickel - Dissolved	0.510	"	0.500	102	80-120
Potassium - Dissolved	0.978	"	1.00	97.8	80-120
Silver - Dissolved	0.0573	"	0.0500	115	80-120
Sodium - Dissolved	0.916	"	1.00	91.6	80-120
Vanadium - Dissolved	0.495	"	0.500	98.9	80-120
Zinc - Dissolved	0.503	"	0.500	101	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
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Batch BD11436 - EPA 3015A

Duplicate (BD11436-DUP1)	Duplicate	*Source sample: 21D1189-01 (101_LMW-8)					Prepared: 04/27/2021 Analyzed: 04/30/2021					
Aluminum - Dissolved		ND	0.0556	mg/L		ND					20	
Barium - Dissolved		0.0641	0.0278	"		0.0666			3.69		20	
Calcium - Dissolved		281	0.0556	"		276			2.03		20	
Chromium - Dissolved		ND	0.00556	"		ND					20	
Cobalt - Dissolved		ND	0.00444	"		ND					20	
Copper - Dissolved		ND	0.0222	"		ND					20	
Iron - Dissolved		0.304	0.278	"		ND					20	
Lead - Dissolved		ND	0.00556	"		ND					20	
Magnesium - Dissolved		30.0	0.0556	"		29.5			1.79		20	
Manganese - Dissolved		0.868	0.00556	"		0.871			0.337		20	
Nickel - Dissolved		ND	0.0111	"		ND					20	
Potassium - Dissolved		23.4	0.0556	"		22.8			2.92		20	
Silver - Dissolved		ND	0.00556	"		ND					20	
Sodium - Dissolved		47.2	0.556	"		47.1			0.210		20	
Vanadium - Dissolved		ND	0.0111	"		ND					20	
Zinc - Dissolved		ND	0.0278	"		ND					20	

Matrix Spike (BD11436-MS1)	Matrix Spike	*Source sample: 21D1189-01 (101_LMW-8)					Prepared: 04/27/2021 Analyzed: 04/30/2021					
Barium - Dissolved		2.30	0.0278	mg/L	2.22	0.0666	100	75-125				
Chromium - Dissolved		0.222	0.00556	"	0.222	ND	99.8	75-125				
Cobalt - Dissolved		0.570	0.00444	"	0.556	ND	103	75-125				
Copper - Dissolved		0.297	0.0222	"	0.278	ND	107	75-125				
Iron - Dissolved		2.20	0.278	"	1.11	ND	198	75-125	High Bias			
Lead - Dissolved		0.564	0.00556	"	0.556	ND	102	75-125				
Manganese - Dissolved		1.45	0.00556	"	0.556	0.871	105	75-125				
Nickel - Dissolved		0.572	0.0111	"	0.556	ND	103	75-125				
Silver - Dissolved		0.0677	0.00556	"	0.0556	ND	122	75-125				
Vanadium - Dissolved		0.556	0.0111	"	0.556	ND	100	75-125				
Zinc - Dissolved		0.544	0.0278	"	0.556	ND	98.0	75-125				



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

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

Batch BD11436 - EPA 3015A

Post Spike (BD11436-PS1)	Post Spike	*Source sample: 21D1189-01 (101_LMW-8)					Prepared: 04/27/2021 Analyzed: 04/30/2021					
Aluminum - Dissolved	2.19		ug/mL	2.00	0.00412	109	75-125					
Barium - Dissolved	2.20		"	2.00	0.0599	107	75-125					
Calcium - Dissolved	248		"	1.00	248	7.36	75-125	Low Bias				
Chromium - Dissolved	0.212		"	0.200	0.00140	105	75-125					
Cobalt - Dissolved	0.548		"	0.500	0.00159	109	75-125					
Copper - Dissolved	0.285		"	0.250	0.00365	113	75-125					
Iron - Dissolved	1.30		"	1.00	0.225	107	75-125					
Lead - Dissolved	0.525		"	0.500	-0.00101	105	75-125					
Magnesium - Dissolved	28.3		"	1.00	26.5	175	75-125	High Bias				
Manganese - Dissolved	1.32		"	0.500	0.784	108	75-125					
Nickel - Dissolved	0.551		"	0.500	-0.00329	110	75-125					
Potassium - Dissolved	20.3		"	1.00	20.5	NR	75-125	Low Bias				
Silver - Dissolved	0.0336		"	0.0500	-0.000816	67.3	75-125	Low Bias				
Sodium - Dissolved	42.6		"	1.00	42.4	22.6	75-125	Low Bias				
Vanadium - Dissolved	0.531		"	0.500	0.000105	106	75-125					
Zinc - Dissolved	0.524		"	0.500	-0.00190	105	75-125					

Batch BD11443 - EPA 3015A

Blank (BD11443-BLK1)	Blank						Prepared: 04/27/2021 Analyzed: 04/30/2021					
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	ND	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
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Batch BD11443 - EPA 3015A

LCS (BD11443-BS1)	LCS	Prepared: 04/27/2021 Analyzed: 04/30/2021									
Aluminum	1.97		ug/mL	2.00		98.4	80-120				
Barium	2.02		"	2.00		101	80-120				
Calcium	0.995		"	1.00		99.5	80-120				
Chromium	0.199		"	0.200		99.3	80-120				
Cobalt	0.521		"	0.500		104	80-120				
Copper	0.248		"	0.250		99.0	80-120				
Iron	0.995		"	1.00		99.5	80-120				
Lead	0.518		"	0.500		104	80-120				
Magnesium	0.989		"	1.00		98.9	80-120				
Manganese	0.499		"	0.500		99.8	80-120				
Nickel	0.507		"	0.500		101	80-120				
Potassium	0.912		"	1.00		91.2	80-120				
Silver	0.0582		"	0.0500		116	80-120				
Sodium	1.00		"	1.00		100	80-120				
Vanadium	0.481		"	0.500		96.2	80-120				
Zinc	0.492		"	0.500		98.4	80-120				

Duplicate (BD11443-DUP1)	Duplicate	*Source sample: 21D1189-01 (101_LMW-8) Prepared: 04/27/2021 Analyzed: 04/30/2021									
Aluminum	0.0720	0.0556	mg/L		0.0590				19.9	20	
Barium	0.144	0.0278	"		0.144			0.163	20		
Calcium	282	0.0556	"		281			0.404	20		
Chromium	ND	0.00556	"		ND				20		
Cobalt	ND	0.00444	"		ND				20		
Copper	ND	0.0222	"		ND				20		
Iron	26.3	0.278	"		25.9			1.34	20		
Lead	ND	0.00556	"		ND				20		
Magnesium	29.7	0.0556	"		29.4			0.810	20		
Manganese	0.976	0.00556	"		0.976			0.0630	20		
Nickel	ND	0.0111	"		ND				20		
Potassium	22.9	0.0556	"		22.4			1.92	20		
Silver	ND	0.00556	"		ND				20		
Sodium	53.7	0.556	"		55.3			2.91	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	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit		Level	Result					Limit			

Batch BD11443 - EPA 3015A

Matrix Spike (BD11443-MS1)	Matrix Spike	*Source sample: 21D1189-01 (101_LMW-8)						Prepared: 04/27/2021 Analyzed: 04/30/2021					
Aluminum	2.23	0.0556	mg/L	2.22	0.0590	97.9	75-125						
Barium	2.34	0.0278	"	2.22	0.144	98.9	75-125						
Calcium	281	0.0556	"	1.11	281	60.6	75-125	Low Bias					
Chromium	0.220	0.00556	"	0.222	ND	98.9	75-125						
Cobalt	0.565	0.00444	"	0.556	ND	102	75-125						
Copper	0.291	0.0222	"	0.278	ND	105	75-125						
Iron	27.5	0.278	"	1.11	25.9	143	75-125	High Bias					
Lead	0.556	0.00556	"	0.556	ND	100	75-125						
Magnesium	30.8	0.0556	"	1.11	29.4	124	75-125						
Manganese	1.53	0.00556	"	0.556	0.976	100	75-125						
Nickel	0.570	0.0111	"	0.556	ND	103	75-125						
Potassium	24.3	0.0556	"	1.11	22.4	164	75-125	High Bias					
Silver	0.0663	0.00556	"	0.0556	ND	119	75-125						
Sodium	52.8	0.556	"	1.11	55.3	NR	75-125	Low Bias					
Vanadium	0.552	0.0111	"	0.556	ND	99.3	75-125						
Zinc	0.546	0.0278	"	0.556	ND	98.2	75-125						

Post Spike (BD11443-PS1)	Post Spike	*Source sample: 21D1189-01 (101_LMW-8)						Prepared: 04/27/2021 Analyzed: 04/30/2021					
Aluminum	2.11		ug/mL	2.00	0.0531	103	75-125						
Barium	2.24		"	2.00	0.130	106	75-125						
Calcium	253		"	1.00	252	7.84	75-125	Low Bias					
Chromium	0.210		"	0.200	0.00186	104	75-125						
Cobalt	0.542		"	0.500	0.00184	108	75-125						
Copper	0.280		"	0.250	0.00205	111	75-125						
Iron	24.4		"	1.00	23.3	104	75-125						
Lead	0.515		"	0.500	-0.00243	103	75-125						
Magnesium	27.4		"	1.00	26.5	90.1	75-125						
Manganese	1.41		"	0.500	0.879	107	75-125						
Nickel	0.543		"	0.500	-0.000717	109	75-125						
Potassium	21.6		"	1.00	20.2	140	75-125	High Bias					
Silver	0.0323		"	0.0500	0.00000356	64.7	75-125	Low Bias					
Sodium	47.7		"	1.00	49.8	NR	75-125	Low Bias					
Vanadium	0.527		"	0.500	0.000741	105	75-125						
Zinc	0.519		"	0.500	0.00414	103	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 BD11437 - EPA 3015A												
Blank (BD11437-BLK1)	Blank								Prepared: 04/27/2021 Analyzed: 04/29/2021			
Antimony - Dissolved	ND	0.00111	mg/L									
Arsenic - Dissolved	ND	0.00111	"									
Beryllium - Dissolved	ND	0.000333	"									
Cadmium - Dissolved	ND	0.000556	"									
Selenium - Dissolved	ND	0.00111	"									
Thallium - Dissolved	ND	0.00111	"									
LCS (BD11437-BS1)	LCS								Prepared: 04/27/2021 Analyzed: 04/29/2021			
Antimony - Dissolved	49.4		ug/L	50.0		98.7	80-120					
Arsenic - Dissolved	51.6		"	50.0		103	80-120					
Beryllium - Dissolved	52.4		"	50.0		105	80-120					
Cadmium - Dissolved	47.2		"	50.0		94.5	80-120					
Selenium - Dissolved	50.9		"	50.0		102	80-120					
Thallium - Dissolved	54.0		"	50.0		108	80-120					
Duplicate (BD11437-DUP1)	Duplicate								*Source sample: 21D1189-01 (101_LMW-8) Prepared: 04/27/2021 Analyzed: 04/29/2021			
Antimony - Dissolved	ND	0.00111	mg/L		ND						20	
Arsenic - Dissolved	0.00208	0.00111	"		0.00196				6.19		20	
Beryllium - Dissolved	ND	0.000333	"		ND						20	
Cadmium - Dissolved	ND	0.000556	"		ND						20	
Selenium - Dissolved	ND	0.00111	"		ND						20	
Thallium - Dissolved	ND	0.00111	"		ND						20	
Matrix Spike (BD11437-MS1)	Matrix Spike								*Source sample: 21D1189-01 (101_LMW-8) Prepared: 04/27/2021 Analyzed: 04/29/2021			
Antimony - Dissolved	37.7		ug/L	50.0	0.353	74.7	75-125	Low Bias				
Arsenic - Dissolved	52.1		"	50.0	1.76	101	75-125					
Beryllium - Dissolved	24.5		"	50.0	0.003	48.9	75-125	Low Bias				
Cadmium - Dissolved	29.8		"	50.0	0.008	59.6	75-125	Low Bias				
Selenium - Dissolved	59.1		"	50.0	-0.083	118	75-125					
Thallium - Dissolved	56.0		"	50.0	0.002	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
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Batch BD11444 - EPA 3015A

Blank (BD11444-BLK1)		Blank		Prepared: 04/27/2021 Analyzed: 04/30/2021								
Antimony	ND	0.00111	mg/L									
Arsenic	ND	0.00111	"									
Beryllium	ND	0.000333	"									
Cadmium	ND	0.000556	"									
Selenium	0.00139	0.00111	"									
Thallium	ND	0.00111	"									

LCS (BD11444-BS1)		LCS		Prepared: 04/27/2021 Analyzed: 04/30/2021								
Antimony	45.2		ug/L	50.0	90.4	80-120						
Arsenic	50.2		"	50.0	100	80-120						
Beryllium	45.0		"	50.0	89.9	80-120						
Cadmium	38.0		"	50.0	76.0	80-120	Low Bias					
Selenium	48.0		"	50.0	95.9	80-120						
Thallium	52.8		"	50.0	106	80-120						

Duplicate (BD11444-DUP1)		Duplicate		*Source sample: 21D1189-01 (101_LMW-8)		Prepared: 04/27/2021 Analyzed: 04/30/2021					
Antimony	ND	0.00111	mg/L	ND							20
Arsenic	0.00613	0.00111	"	0.00759					21.3		20 Non-dir.
Beryllium	ND	0.000333	"	ND							20
Cadmium	ND	0.000556	"	ND							20
Selenium	0.00151	0.00111	"	0.00151					0.115		20
Thallium	ND	0.00111	"	ND							20

Matrix Spike (BD11444-MS1)		Matrix Spike		*Source sample: 21D1189-01 (101_LMW-8)		Prepared: 04/27/2021 Analyzed: 04/30/2021					
Antimony	42.4		ug/L	50.0	0.602	83.7	75-125				
Arsenic	58.4		"	50.0	6.83	103	75-125				
Beryllium	33.5		"	50.0	0.015	67.0	75-125	Low Bias			
Cadmium	42.8		"	50.0	0.029	85.6	75-125				
Selenium	54.2		"	50.0	1.36	106	75-125				
Thallium	46.8		"	50.0	0.365	92.8	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 BD11415 - EPA SW846-7470A											
Blank (BD11415-BLK1)	Blank										Prepared & Analyzed: 04/26/2021
Mercury	ND	0.0002	mg/L								
LCS (BD11415-BS1)	LCS										Prepared & Analyzed: 04/26/2021
Mercury	0.002156	0.0002	mg/L	0.00200		108	80-120				
Duplicate (BD11415-DUP1)	Duplicate	*Source sample: 21D1189-01 (101_LMW-8)									Prepared & Analyzed: 04/26/2021
Mercury	ND	0.0002	mg/L		ND						20
Matrix Spike (BD11415-MS1)	Matrix Spike	*Source sample: 21D1189-01 (101_LMW-8)									Prepared & Analyzed: 04/26/2021
Mercury	0.0019	0.0002	mg/L	0.00200	ND	96.2	75-125				
Batch BD11416 - EPA SW846-7470A											
Blank (BD11416-BLK1)	Blank										Prepared & Analyzed: 04/26/2021
Mercury - Dissolved	ND	0.0002	mg/L								
LCS (BD11416-BS1)	LCS										Prepared & Analyzed: 04/26/2021
Mercury - Dissolved	0.0021	0.0002	mg/L	0.00200		106	80-120				
Duplicate (BD11416-DUP1)	Duplicate	*Source sample: 21D1189-01 (101_LMW-8)									Prepared & Analyzed: 04/26/2021
Mercury - Dissolved	ND	0.0002	mg/L		ND						20
Matrix Spike (BD11416-MS1)	Matrix Spike	*Source sample: 21D1189-01 (101_LMW-8)									Prepared & Analyzed: 04/26/2021
Mercury - Dissolved	0.0020	0.0002	mg/L	0.00200	ND	102	75-125				
Batch BD11648 - EPA SW846-7470A											
Blank (BD11648-BLK1)	Blank										Prepared & Analyzed: 04/30/2021
Mercury	ND	0.0002	mg/L								



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 BD11648 - EPA SW846-7470A											
LCS (BD11648-BS1)	LCS								Prepared & Analyzed: 04/30/2021		
Mercury	0.002015	0.0002	mg/L	0.00200		101	80-120				
LCS (BD11648-BS2)	LCS								Prepared & Analyzed: 04/30/2021		
Mercury	0.002049	0.0002	mg/L	0.00200		102	80-120				
Batch BD11649 - EPA SW846-7470A											
Blank (BD11649-BLK1)	Blank								Prepared & Analyzed: 04/30/2021		
Mercury - Dissolved	ND	0.0002	mg/L								
LCS (BD11649-BS1)	LCS								Prepared & Analyzed: 04/30/2021		
Mercury - Dissolved	0.0021	0.0002	mg/L	0.00200		104	80-120				
LCS (BD11649-BS2)	LCS								Prepared & Analyzed: 04/30/2021		
Mercury - Dissolved	0.0020	0.0002	mg/L	0.00200		98.0	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 BD11417 - Analysis Preparation												
Blank (BD11417-BLK1)	Blank										Prepared & Analyzed: 04/26/2021	
Chromium, Hexavalent	ND	0.0100	mg/L									
LCS (BD11417-BS1)	LCS										Prepared & Analyzed: 04/26/2021	
Chromium, Hexavalent	0.513	0.0100	mg/L	0.500		103	80-120					
Duplicate (BD11417-DUP1)	Duplicate	*Source sample: 21D1189-01 (101_LMW-8)										Prepared & Analyzed: 04/26/2021
Chromium, Hexavalent	ND	0.0100	mg/L		ND						20	
Matrix Spike (BD11417-MS1)	Matrix Spike	*Source sample: 21D1189-01 (101_LMW-8)										Prepared & Analyzed: 04/26/2021
Chromium, Hexavalent	0.529	0.0100	mg/L	0.500	ND	106	75-125					
Batch BD11572 - Analysis Preparation												
Blank (BD11572-BLK1)	Blank										Prepared & Analyzed: 04/29/2021	
Cyanide, total	ND	0.0100	mg/L									
LCS (BD11572-BS1)	LCS										Prepared & Analyzed: 04/29/2021	
Cyanide, total	0.171	0.0100	mg/L	0.200		85.3	76.2-107					
Duplicate (BD11572-DUP1)	Duplicate	*Source sample: 21D1189-01 (101_LMW-8)										Prepared & Analyzed: 04/29/2021
Cyanide, total	ND	0.0100	mg/L		ND						15	
Matrix Spike (BD11572-MS1)	Matrix Spike	*Source sample: 21D1189-01 (101_LMW-8)										Prepared & Analyzed: 04/29/2021
Cyanide, total	0.157	0.0100	mg/L	0.200	ND	78.3	79-105	Low Bias				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21D1189-01	101_LMW-8	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21D1189-02	102_LMW-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21D1189-03	103_DUP-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21D1189-04	104_FB-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21D1189-05	105_LMW-5	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21D1189-06	106_LMW-9	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21D1189-07	107_LMW-14	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21D1189-08	108_LMW-12	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21D1189-09	109_LMW-11	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21D1189-10	110_LMW-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21D1189-11	111_LMW-13	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21D1189-12	112_TB-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



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.
S-08	The recovery of this surrogate was outside of QC limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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.
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-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.
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.



York Analytical Laboratories, Inc.
120 Research Drive
Stratford, CT 06615
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

YORK Project No.
21D1189

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 analysis requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

Page 1 of 2

YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company	Langan	Company		Company		100688801		RUSH - Next Day	
Address	300 Kimball Dr. Passippany, NJ	Address	SPARK	Address		YOUR Project Name		RUSH - Two Day	
Phone	973-500-4900	Phone		Phone		12096 Flatlands Ave		RUSH - Three Day	
Contact	Brandon Reink	Contact		Contact				RUSH - Four Day	
E-mail	dreiner@langan.com	E-mail		E-mail				Standard (5-7 Day)	<input checked="" type="checkbox"/>
<p>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.</p> <p>Molly Mattern, Dayana Arne</p> <p>Samples Collected by: <i>(Signature)</i></p>									
Sample Identification	Matrix Codes	Samples From	Report / EDD Type (circle selections)	Analysis Requested	Container Description	Sample Matrix	Date/Time Sampled	Preservation: (check all that apply)	Special Instruction
101_LMW-5*	GW - groundwater	New York	<input checked="" type="checkbox"/> Summary Report	Per 315 Vol, Sub C, PCBs, Pesticides, Herbicides, TEH, PAHs, Dissolved Trace Metals, Hex, Tri-X, Cyanide, FEA, J, T-Dioxin, Bamber, & Plating, 3 Lab	Bamber, Pesticides, Cyanide, Plating, 3 Lab	GW	4/26/21 08:55	HCl <input checked="" type="checkbox"/> MeOH ___ HNO3 ___ H2SO4 ___ NaOH <input checked="" type="checkbox"/> ZnAc ___	Field Filtered Lab to Filter <input checked="" type="checkbox"/>
102_LMW-7	GW - groundwater	New Jersey	<input type="checkbox"/> QA Report			GW	4/26/21 09:00	Ascorbic Acid ___ Other: ___	
103_DWP-1	DW - drinking water	Connecticut	<input type="checkbox"/> NY ASP A Package			AQ	4/26/21 10:00		
104_FB-1	WW - wastewater	Pennsylvania	<input type="checkbox"/> NY ASP B Package			GW	4/26/21 10:55		
105_LMW-5	O - Oil ; Other	Other				GW	4/26/21 11:15		
106_LMW-9						GW	4/26/21 12:05		
107_LMW-14						GW	4/26/21 12:25		
108_LMW-12						GW	4/26/21 13:35		
109_LMW-11						GW	4/26/21 13:35		
110_LMW-10						GW	4/26/21 13:35		
<p>Comments: * extra volume for MS/MSD</p>									
Company	Langan	Company		Company		Sample Matrix	Date/Time	Samples Received by I. Company	
Address	300 Kimball Dr. Passippany, NJ	Address	SPARK	Address		GW	4/26/21 10:45	<i>(Signature)</i>	4/26/21 10:45
Phone	973-500-4900	Phone		Phone		GW	4/26/21 17:45	<i>(Signature)</i>	4/26/21 17:45
Contact	Brandon Reink	Contact		Contact		GW		<i>(Signature)</i>	
E-mail	dreiner@langan.com	E-mail		E-mail		GW		<i>(Signature)</i>	
<p>Preservation: (check all that apply)</p> <p>HCl <input checked="" type="checkbox"/> MeOH ___ HNO3 ___ H2SO4 ___ NaOH <input checked="" type="checkbox"/> ZnAc ___</p> <p>Ascorbic Acid ___ Other: ___</p>									
<p>Temp. Received at Lab 2.7</p>									



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive, 4th Floor

Parsipanny NJ, 07054-2172

Attention: Brandon Reiner

Report Date: 04/26/2021

Client Project ID: 100688801

York Project (SDG) No.: 21D0856

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
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STRATFORD, CT 06615
(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 04/26/2021
Client Project ID: 100688801
York Project (SDG) No.: 21D0856

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Brandon Reiner

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 19, 2021 and listed below. The project was identified as your project: **100688801**.

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>
21D0856-01	091_LSV-1	Soil Vapor	04/19/2021	04/19/2021
21D0856-02	092_LSV-2	Soil Vapor	04/19/2021	04/19/2021
21D0856-03	093_LSV-3	Soil Vapor	04/19/2021	04/19/2021
21D0856-04	094_LSV-4	Soil Vapor	04/19/2021	04/19/2021
21D0856-05	095_LSV-5	Soil Vapor	04/19/2021	04/19/2021
21D0856-06	096_LSV-6	Soil Vapor	04/19/2021	04/19/2021
21D0856-07	097_LSV-7	Soil Vapor	04/19/2021	04/19/2021
21D0856-08	098_LSV-8	Soil Vapor	04/19/2021	04/19/2021
21D0856-09	099_AMBIENT-1	Outdoor Ambient Ai	04/19/2021	04/19/2021
21D0856-10	100_DUP-1	Soil Vapor	04/19/2021	04/19/2021

General Notes for York Project (SDG) No.: 21D0856

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:



Date: 04/26/2021

Benjamin Gulizia
Laboratory Director





Sample Information

Client Sample ID: 091_LSV-1

York Sample ID: 21D0856-01

<u>York Project (SDG) No.</u> 21D0856	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil Vapor	<u>Collection Date/Time</u> April 19, 2021 10:50 am	<u>Date Received</u> 04/19/2021
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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	2.0	2.952	EPA TO-15 Certifications:	04/25/2021 08:00	04/25/2021 19:26	LJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	1.6	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	2.0	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	2.3	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	1.6	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	1.2	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.29	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	2.2	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	1.5	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	2.3	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.8	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	1.2	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	1.4	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	2.1	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	1.5	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
106-99-0	1,3-Butadiene	ND		ug/m ³	2.0	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.8	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	1.4	2.952	EPA TO-15 Certifications:	04/25/2021 08:00	04/25/2021 19:26	LJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.8	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
123-91-1	1,4-Dioxane	ND		ug/m ³	2.1	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
78-93-3	2-Butanone	11		ug/m ³	0.87	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ



Sample Information

Client Sample ID: 091_LSV-1

York Sample ID: 21D0856-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0856

100688801

Soil Vapor

April 19, 2021 10:50 am

04/19/2021

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	2.4	2.952	EPA TO-15 Certifications:	04/25/2021 08:00	04/25/2021 19:26	LJ
107-05-1	3-Chloropropene	ND		ug/m ³	4.6	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	1.2	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
67-64-1	Acetone	47		ug/m ³	1.4	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.64	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
71-43-2	Benzene	1.2		ug/m ³	0.94	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
100-44-7	Benzyl chloride	ND		ug/m ³	1.5	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
75-27-4	Bromodichloromethane	ND		ug/m ³	2.0	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
75-25-2	Bromoform	ND		ug/m ³	3.1	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
74-83-9	Bromomethane	ND		ug/m ³	1.1	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
75-15-0	Carbon disulfide	45		ug/m ³	0.92	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.46	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
108-90-7	Chlorobenzene	ND		ug/m ³	1.4	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
75-00-3	Chloroethane	ND		ug/m ³	0.78	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
67-66-3	Chloroform	ND		ug/m ³	1.4	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
74-87-3	Chloromethane	ND		ug/m ³	0.61	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.29	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	1.3	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
110-82-7	Cyclohexane	1.9		ug/m ³	1.0	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
124-48-1	Dibromochloromethane	ND		ug/m ³	2.5	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	1.5	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
141-78-6	* Ethyl acetate	ND		ug/m ³	2.1	2.952	EPA TO-15 Certifications:	04/25/2021 08:00	04/25/2021 19:26	LJ



Sample Information

Client Sample ID: 091_LSV-1

York Sample ID: 21D0856-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0856

100688801

Soil Vapor

April 19, 2021 10:50 am

04/19/2021

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	1.9		ug/m ³	1.3	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
87-68-3	Hexachlorobutadiene	ND		ug/m ³	3.1	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
67-63-0	Isopropanol	ND	TO-CC V, TO-LC S-L	ug/m ³	1.5	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	1.2	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	1.1	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
75-09-2	Methylene chloride	20		ug/m ³	2.1	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
142-82-5	n-Heptane	9.1		ug/m ³	1.2	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
110-54-3	n-Hexane	19		ug/m ³	1.0	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
95-47-6	o-Xylene	ND		ug/m ³	1.3	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
179601-23-1	p- & m- Xylenes	2.7		ug/m ³	2.6	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
622-96-8	* p-Ethyltoluene	ND		ug/m ³	1.5	2.952	EPA TO-15 Certifications:	04/25/2021 08:00	04/25/2021 19:26	LJ
115-07-1	* Propylene	54		ug/m ³	0.51	2.952	EPA TO-15 Certifications:	04/25/2021 08:00	04/25/2021 19:26	LJ
100-42-5	Styrene	ND		ug/m ³	1.3	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
127-18-4	Tetrachloroethylene	ND		ug/m ³	2.0	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	1.7	2.952	EPA TO-15 Certifications:	04/25/2021 08:00	04/25/2021 19:26	LJ
108-88-3	Toluene	5.1		ug/m ³	1.1	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	1.2	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	1.3	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.40	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	1.7	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
108-05-4	Vinyl acetate	ND		ug/m ³	1.0	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ



Sample Information

Client Sample ID: 091_LSV-1

York Sample ID: 21D0856-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0856

100688801

Soil Vapor

April 19, 2021 10:50 am

04/19/2021

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
593-60-2	Vinyl bromide	ND		ug/m ³	1.3	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.38	2.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 19:26	LJ



Sample Information

Client Sample ID: 092_LSV-2

York Sample ID: 21D0856-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0856

100688801

Soil Vapor

April 19, 2021 10:53 am

04/19/2021

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	1.572	EPA TO-15 Certifications:	04/25/2021 08:00	04/25/2021 20:32	LJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.86	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.1	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.2	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.86	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.64	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.16	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.2	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
95-63-6	1,2,4-Trimethylbenzene	1.5		ug/m ³	0.77	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.2	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.95	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.64	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.73	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.1	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.77	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
106-99-0	1,3-Butadiene	ND		ug/m ³	1.0	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.95	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.73	1.572	EPA TO-15 Certifications:	04/25/2021 08:00	04/25/2021 20:32	LJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.95	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
123-91-1	1,4-Dioxane	ND		ug/m ³	1.1	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
78-93-3	2-Butanone	5.7		ug/m ³	0.46	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
591-78-6	* 2-Hexanone	ND		ug/m ³	1.3	1.572	EPA TO-15 Certifications:	04/25/2021 08:00	04/25/2021 20:32	LJ



Sample Information

Client Sample ID: 092_LSV-2

York Sample ID: 21D0856-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0856

100688801

Soil Vapor

April 19, 2021 10:53 am

04/19/2021

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	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
108-10-1	4-Methyl-2-pentanone	1.4		ug/m ³	0.64	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
67-64-1	Acetone	5.1		ug/m ³	0.75	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.34	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
71-43-2	Benzene	0.75		ug/m ³	0.50	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.81	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
75-25-2	Bromoform	ND		ug/m ³	1.6	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
74-83-9	Bromomethane	ND		ug/m ³	0.61	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
75-15-0	Carbon disulfide	19		ug/m ³	0.49	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.25	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.72	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
75-00-3	Chloroethane	ND		ug/m ³	0.41	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
67-66-3	Chloroform	ND		ug/m ³	0.77	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
74-87-3	Chloromethane	ND		ug/m ³	0.32	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.16	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.71	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
110-82-7	Cyclohexane	1.4		ug/m ³	0.54	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
124-48-1	Dibromochloromethane	ND		ug/m ³	1.3	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
75-71-8	Dichlorodifluoromethane	1.3		ug/m ³	0.78	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
141-78-6	* Ethyl acetate	ND		ug/m ³	1.1	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
100-41-4	Ethyl Benzene	1.2		ug/m ³	0.68	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ



Sample Information

Client Sample ID: 092_LSV-2

York Sample ID: 21D0856-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0856

100688801

Soil Vapor

April 19, 2021 10:53 am

04/19/2021

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	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
67-63-0	Isopropanol	2.9	TO-CC V, TO-LC S-L	ug/m ³	0.77	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.64	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.57	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
75-09-2	Methylene chloride	3.1		ug/m ³	1.1	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
142-82-5	n-Heptane	1.0		ug/m ³	0.64	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
110-54-3	n-Hexane	2.0		ug/m ³	0.55	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
95-47-6	o-Xylene	2.0		ug/m ³	0.68	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
179601-23-1	p- & m- Xylenes	5.3		ug/m ³	1.4	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
622-96-8	* p-Ethyltoluene	1.3		ug/m ³	0.77	1.572	EPA TO-15 Certifications:	04/25/2021 08:00	04/25/2021 20:32	LJ
115-07-1	* Propylene	2.5		ug/m ³	0.27	1.572	EPA TO-15 Certifications:	04/25/2021 08:00	04/25/2021 20:32	LJ
100-42-5	Styrene	ND		ug/m ³	0.67	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
127-18-4	Tetrachloroethylene	1.8		ug/m ³	1.1	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
109-99-9	* Tetrahydrofuran	16		ug/m ³	0.93	1.572	EPA TO-15 Certifications:	04/25/2021 08:00	04/25/2021 20:32	LJ
108-88-3	Toluene	2.4		ug/m ³	0.59	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.62	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.71	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
79-01-6	Trichloroethylene	0.25		ug/m ³	0.21	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
75-69-4	Trichlorofluoromethane (Freon 11)	4.9		ug/m ³	0.88	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.55	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ
593-60-2	Vinyl bromide	ND		ug/m ³	0.69	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ



Sample Information

Client Sample ID: 092_LSV-2

York Sample ID: 21D0856-02

York Project (SDG) No. 21D0856

Client Project ID 100688801

Matrix Soil Vapor

Collection Date/Time April 19, 2021 10:53 am

Date Received 04/19/2021

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	0.20	1.572	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 20:32	LJ



Sample Information

Client Sample ID: 093_LSV-3

York Sample ID: 21D0856-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0856

100688801

Soil Vapor

April 19, 2021 10:33 am

04/19/2021

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	2.2	3.152	EPA TO-15 Certifications:	04/25/2021 08:00	04/25/2021 21:34	LJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	1.7	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	2.2	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	2.4	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	1.7	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	1.3	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.31	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	2.3	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
95-63-6	1,2,4-Trimethylbenzene	2.2		ug/m ³	1.5	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	2.4	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.9	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	1.3	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	1.5	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	2.2	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	1.5	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
106-99-0	1,3-Butadiene	ND		ug/m ³	2.1	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.9	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	1.5	3.152	EPA TO-15 Certifications:	04/25/2021 08:00	04/25/2021 21:34	LJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.9	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
123-91-1	1,4-Dioxane	ND		ug/m ³	2.3	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
78-93-3	2-Butanone	17		ug/m ³	0.93	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
591-78-6	* 2-Hexanone	ND		ug/m ³	2.6	3.152	EPA TO-15 Certifications:	04/25/2021 08:00	04/25/2021 21:34	LJ



Sample Information

Client Sample ID: 093_LSV-3

York Sample ID: 21D0856-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0856

100688801

Soil Vapor

April 19, 2021 10:33 am

04/19/2021

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	4.9	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	1.3	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
67-64-1	Acetone	41		ug/m ³	1.5	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.68	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
71-43-2	Benzene	3.3		ug/m ³	1.0	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
100-44-7	Benzyl chloride	ND		ug/m ³	1.6	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
75-27-4	Bromodichloromethane	ND		ug/m ³	2.1	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
75-25-2	Bromoform	ND		ug/m ³	3.3	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
74-83-9	Bromomethane	ND		ug/m ³	1.2	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
75-15-0	Carbon disulfide	160		ug/m ³	0.98	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.50	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
108-90-7	Chlorobenzene	ND		ug/m ³	1.5	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
75-00-3	Chloroethane	ND		ug/m ³	0.83	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
67-66-3	Chloroform	ND		ug/m ³	1.5	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
74-87-3	Chloromethane	ND		ug/m ³	0.65	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
156-59-2	cis-1,2-Dichloroethylene	2.0		ug/m ³	0.31	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	1.4	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
110-82-7	Cyclohexane	170		ug/m ³	1.1	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
124-48-1	Dibromochloromethane	ND		ug/m ³	2.7	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
75-71-8	Dichlorodifluoromethane	2.6		ug/m ³	1.6	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
141-78-6	* Ethyl acetate	ND		ug/m ³	2.3	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
100-41-4	Ethyl Benzene	6.7		ug/m ³	1.4	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ



Sample Information

Client Sample ID: 093_LSV-3

York Sample ID: 21D0856-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0856

100688801

Soil Vapor

April 19, 2021 10:33 am

04/19/2021

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	3.4	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
67-63-0	Isopropanol	ND		ug/m ³	1.5	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	1.3	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	1.1	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
75-09-2	Methylene chloride	ND		ug/m ³	2.2	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
142-82-5	n-Heptane	ND		ug/m ³	1.3	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
110-54-3	n-Hexane	160		ug/m ³	1.1	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
95-47-6	o-Xylene	ND		ug/m ³	1.4	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
179601-23-1	p- & m- Xylenes	13		ug/m ³	2.7	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
622-96-8	* p-Ethyltoluene	ND		ug/m ³	1.5	3.152	EPA TO-15 Certifications:	04/25/2021 08:00	04/25/2021 21:34	LJ
115-07-1	* Propylene	130		ug/m ³	0.54	3.152	EPA TO-15 Certifications:	04/25/2021 08:00	04/25/2021 21:34	LJ
100-42-5	Styrene	ND		ug/m ³	1.3	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
127-18-4	Tetrachloroethylene	ND		ug/m ³	2.1	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	1.9	3.152	EPA TO-15 Certifications:	04/25/2021 08:00	04/25/2021 21:34	LJ
108-88-3	Toluene	2.7		ug/m ³	1.2	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	1.2	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	1.4	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.42	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	1.8	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
108-05-4	Vinyl acetate	ND		ug/m ³	1.1	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
593-60-2	Vinyl bromide	ND		ug/m ³	1.4	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ
75-01-4	Vinyl Chloride	4.8		ug/m ³	0.40	3.152	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 21:34	LJ



Sample Information

Client Sample ID: 093_LSV-3

York Sample ID: 21D0856-03

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21D0856	100688801	Soil Vapor	April 19, 2021 10:33 am	04/19/2021



Sample Information

Client Sample ID: 094_LSV-4

York Sample ID: 21D0856-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0856

100688801

Soil Vapor

April 19, 2021 10:37 am

04/19/2021

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	1.668	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 08:22	LJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.91	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.1	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.3	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.91	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.68	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.17	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.2	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
95-63-6	1,2,4-Trimethylbenzene	9.0		ug/m ³	0.82	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.3	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.0	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.68	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.77	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.2	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
108-67-8	1,3,5-Trimethylbenzene	5.4		ug/m ³	0.82	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
106-99-0	1,3-Butadiene	ND		ug/m ³	1.1	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.0	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.77	1.668	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 08:22	LJ
106-46-7	1,4-Dichlorobenzene	1.3		ug/m ³	1.0	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
123-91-1	1,4-Dioxane	ND		ug/m ³	1.2	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
78-93-3	2-Butanone	39		ug/m ³	0.49	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
591-78-6	* 2-Hexanone	ND		ug/m ³	1.4	1.668	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 08:22	LJ



Sample Information

Client Sample ID: 094_LSV-4

York Sample ID: 21D0856-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0856

100688801

Soil Vapor

April 19, 2021 10:37 am

04/19/2021

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	2.6	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.68	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
67-64-1	Acetone	120		ug/m ³	0.79	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.36	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
71-43-2	Benzene	19		ug/m ³	0.53	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.86	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
75-25-2	Bromoform	ND		ug/m ³	1.7	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
74-83-9	Bromomethane	ND		ug/m ³	0.65	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
75-15-0	Carbon disulfide	12		ug/m ³	0.52	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.26	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
108-90-7	Chlorobenzene	1.8		ug/m ³	0.77	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
75-00-3	Chloroethane	ND		ug/m ³	0.44	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
67-66-3	Chloroform	ND		ug/m ³	0.81	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
74-87-3	Chloromethane	ND		ug/m ³	0.34	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
156-59-2	cis-1,2-Dichloroethylene	7.3		ug/m ³	0.17	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.76	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
110-82-7	Cyclohexane	34		ug/m ³	0.57	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
75-71-8	Dichlorodifluoromethane	12		ug/m ³	0.82	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
141-78-6	* Ethyl acetate	ND		ug/m ³	1.2	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
100-41-4	Ethyl Benzene	6.3		ug/m ³	0.72	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ



Sample Information

Client Sample ID: 094_LSV-4

York Sample ID: 21D0856-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0856

100688801

Soil Vapor

April 19, 2021 10:37 am

04/19/2021

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	1.8	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
67-63-0	Isopropanol	5.4	TO-CC V, TO-LC S-L	ug/m ³	0.82	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.68	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.60	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
75-09-2	Methylene chloride	1.9		ug/m ³	1.2	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
142-82-5	n-Heptane	21		ug/m ³	0.68	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
110-54-3	n-Hexane	72		ug/m ³	0.59	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
95-47-6	o-Xylene	6.7		ug/m ³	0.72	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
179601-23-1	p- & m- Xylenes	13		ug/m ³	1.4	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
622-96-8	* p-Ethyltoluene	5.6		ug/m ³	0.82	1.668	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 08:22	LJ
115-07-1	* Propylene	ND		ug/m ³	0.29	1.668	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 08:22	LJ
100-42-5	Styrene	ND		ug/m ³	0.71	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
127-18-4	Tetrachloroethylene	3.2		ug/m ³	1.1	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.98	1.668	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 08:22	LJ
108-88-3	Toluene	14		ug/m ³	0.63	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
156-60-5	trans-1,2-Dichloroethylene	0.99		ug/m ³	0.66	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.76	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.22	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
75-69-4	Trichlorofluoromethane (Freon 11)	0.94		ug/m ³	0.94	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.59	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ
593-60-2	Vinyl bromide	ND		ug/m ³	0.73	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 08:22	LJ



Sample Information

Client Sample ID: 094_LSV-4

York Sample ID: 21D0856-04

York Project (SDG) No. 21D0856

Client Project ID 100688801

Matrix Soil Vapor

Collection Date/Time April 19, 2021 10:37 am

Date Received 04/19/2021

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	22		ug/m ³	0.21	1.668	EPA TO-15	04/25/2021 08:00	04/26/2021 08:22	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		



Sample Information

Client Sample ID: 095_LSV-5

York Sample ID: 21D0856-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0856

100688801

Soil Vapor

April 19, 2021 10:30 am

04/19/2021

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	1.2	1.684	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 09:27	LJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.92	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.2	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.3	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.92	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.68	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.17	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.2	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
95-63-6	1,2,4-Trimethylbenzene	4.8		ug/m ³	0.83	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.3	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.0	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.68	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.78	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.2	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
108-67-8	1,3,5-Trimethylbenzene	4.1		ug/m ³	0.83	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
106-99-0	1,3-Butadiene	ND		ug/m ³	1.1	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.0	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.78	1.684	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 09:27	LJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.0	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
123-91-1	1,4-Dioxane	ND		ug/m ³	1.2	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
78-93-3	2-Butanone	9.7		ug/m ³	0.50	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
591-78-6	* 2-Hexanone	ND		ug/m ³	1.4	1.684	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 09:27	LJ



Sample Information

Client Sample ID: 095_LSV-5

York Sample ID: 21D0856-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0856

100688801

Soil Vapor

April 19, 2021 10:30 am

04/19/2021

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	2.6	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.69	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
67-64-1	Acetone	26		ug/m ³	0.80	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.37	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
71-43-2	Benzene	23		ug/m ³	0.54	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.87	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
75-25-2	Bromoform	ND		ug/m ³	1.7	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
74-83-9	Bromomethane	ND		ug/m ³	0.65	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
75-15-0	Carbon disulfide	1.8		ug/m ³	0.52	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.26	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.78	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
75-00-3	Chloroethane	ND		ug/m ³	0.44	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
67-66-3	Chloroform	ND		ug/m ³	0.82	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
74-87-3	Chloromethane	ND		ug/m ³	0.35	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.17	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.76	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
110-82-7	Cyclohexane	40		ug/m ³	0.58	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
75-71-8	Dichlorodifluoromethane	1.8		ug/m ³	0.83	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
141-78-6	* Ethyl acetate	ND		ug/m ³	1.2	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
100-41-4	Ethyl Benzene	4.0		ug/m ³	0.73	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ



Sample Information

Client Sample ID: 095_LSV-5

York Sample ID: 21D0856-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0856

100688801

Soil Vapor

April 19, 2021 10:30 am

04/19/2021

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	1.8	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
67-63-0	Isopropanol	3.4	TO-CC V, TO-LC S-L	ug/m ³	0.83	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.69	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.61	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
75-09-2	Methylene chloride	1.9		ug/m ³	1.2	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
142-82-5	n-Heptane	34		ug/m ³	0.69	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
110-54-3	n-Hexane	130		ug/m ³	0.59	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
95-47-6	o-Xylene	2.9		ug/m ³	0.73	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
179601-23-1	p- & m- Xylenes	6.8		ug/m ³	1.5	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
622-96-8	* p-Ethyltoluene	1.3		ug/m ³	0.83	1.684	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 09:27	LJ
115-07-1	* Propylene	ND		ug/m ³	0.29	1.684	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 09:27	LJ
100-42-5	Styrene	ND		ug/m ³	0.72	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
127-18-4	Tetrachloroethylene	1.3		ug/m ³	1.1	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.99	1.684	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 09:27	LJ
108-88-3	Toluene	9.4		ug/m ³	0.63	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.67	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.76	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.23	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	0.95	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.59	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ
593-60-2	Vinyl bromide	ND		ug/m ³	0.74	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ



Sample Information

Client Sample ID: 095_LSV-5

York Sample ID: 21D0856-05

York Project (SDG) No.
21D0856

Client Project ID
100688801

Matrix
Soil Vapor

Collection Date/Time
April 19, 2021 10:30 am

Date Received
04/19/2021

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	0.22	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 09:27	LJ



Sample Information

Client Sample ID: 096_LSV-6

York Sample ID: 21D0856-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0856

100688801

Soil Vapor

April 19, 2021 11:30 am

04/19/2021

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	2.2	3.238	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 00:48	LJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	1.8	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	2.2	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	2.5	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	1.8	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	1.3	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.32	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	2.4	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
95-63-6	1,2,4-Trimethylbenzene	2.4		ug/m ³	1.6	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	2.5	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.9	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	1.3	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	1.5	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	2.3	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	1.6	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
106-99-0	1,3-Butadiene	ND		ug/m ³	2.1	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.9	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	1.5	3.238	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 00:48	LJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.9	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
123-91-1	1,4-Dioxane	ND		ug/m ³	2.3	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
78-93-3	2-Butanone	8.1		ug/m ³	0.95	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
591-78-6	* 2-Hexanone	ND		ug/m ³	2.7	3.238	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 00:48	LJ



Sample Information

Client Sample ID: 096_LSV-6

York Sample ID: 21D0856-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0856

100688801

Soil Vapor

April 19, 2021 11:30 am

04/19/2021

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	5.1	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
108-10-1	4-Methyl-2-pentanone	34		ug/m ³	1.3	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
67-64-1	Acetone	21		ug/m ³	1.5	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.70	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
71-43-2	Benzene	3.3		ug/m ³	1.0	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
100-44-7	Benzyl chloride	ND		ug/m ³	1.7	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
75-27-4	Bromodichloromethane	ND		ug/m ³	2.2	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
75-25-2	Bromoform	ND		ug/m ³	3.3	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
74-83-9	Bromomethane	ND		ug/m ³	1.3	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
75-15-0	Carbon disulfide	16		ug/m ³	1.0	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.51	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
108-90-7	Chlorobenzene	ND		ug/m ³	1.5	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
75-00-3	Chloroethane	ND		ug/m ³	0.85	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
67-66-3	Chloroform	ND		ug/m ³	1.6	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
74-87-3	Chloromethane	ND		ug/m ³	0.67	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.32	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	1.5	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
110-82-7	Cyclohexane	270		ug/m ³	1.1	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
124-48-1	Dibromochloromethane	ND		ug/m ³	2.8	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
75-71-8	Dichlorodifluoromethane	190		ug/m ³	1.6	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
141-78-6	* Ethyl acetate	20		ug/m ³	2.3	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
100-41-4	Ethyl Benzene	3.4		ug/m ³	1.4	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ



Sample Information

Client Sample ID: 096_LSV-6

York Sample ID: 21D0856-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0856

100688801

Soil Vapor

April 19, 2021 11:30 am

04/19/2021

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	3.5	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
67-63-0	Isopropanol	3.3	TO-CC V, TO-LC S-L	ug/m ³	1.6	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	1.3	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	1.2	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
75-09-2	Methylene chloride	5.7		ug/m ³	2.2	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
142-82-5	n-Heptane	41		ug/m ³	1.3	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
110-54-3	n-Hexane	160		ug/m ³	1.1	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
95-47-6	o-Xylene	2.4		ug/m ³	1.4	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
179601-23-1	p- & m- Xylenes	7.3		ug/m ³	2.8	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
622-96-8	* p-Ethyltoluene	1.8		ug/m ³	1.6	3.238	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 00:48	LJ
115-07-1	* Propylene	ND		ug/m ³	0.56	3.238	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 00:48	LJ
100-42-5	Styrene	ND		ug/m ³	1.4	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
127-18-4	Tetrachloroethylene	ND		ug/m ³	2.2	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	1.9	3.238	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 00:48	LJ
108-88-3	Toluene	3.3		ug/m ³	1.2	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	1.3	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	1.5	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.44	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	1.8	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
108-05-4	Vinyl acetate	ND		ug/m ³	1.1	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ
593-60-2	Vinyl bromide	ND		ug/m ³	1.4	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ



Sample Information

Client Sample ID: 096_LSV-6

York Sample ID: 21D0856-06

York Project (SDG) No. 21D0856

Client Project ID 100688801

Matrix Soil Vapor

Collection Date/Time April 19, 2021 11:30 am

Date Received 04/19/2021

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	0.41	3.238	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 00:48	LJ



Sample Information

Client Sample ID: 097_LSV-7

York Sample ID: 21D0856-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0856

100688801

Soil Vapor

April 19, 2021 10:51 am

04/19/2021

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	2.1	3.064	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 01:51	LJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	1.7	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	2.1	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	2.3	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	1.7	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	1.2	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.30	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	2.3	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
95-63-6	1,2,4-Trimethylbenzene	8.7		ug/m ³	1.5	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	2.4	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.8	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	1.2	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	1.4	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	2.1	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
108-67-8	1,3,5-Trimethylbenzene	2.7		ug/m ³	1.5	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
106-99-0	1,3-Butadiene	ND		ug/m ³	2.0	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.8	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	1.4	3.064	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 01:51	LJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.8	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
123-91-1	1,4-Dioxane	ND		ug/m ³	2.2	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
78-93-3	2-Butanone	29		ug/m ³	0.90	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
591-78-6	* 2-Hexanone	ND		ug/m ³	2.5	3.064	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 01:51	LJ



Sample Information

Client Sample ID: 097_LSV-7

York Sample ID: 21D0856-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0856

100688801

Soil Vapor

April 19, 2021 10:51 am

04/19/2021

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	4.8	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	1.3	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
67-64-1	Acetone	120		ug/m ³	1.5	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.66	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
71-43-2	Benzene	3.3		ug/m ³	0.98	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
100-44-7	Benzyl chloride	ND		ug/m ³	1.6	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
75-27-4	Bromodichloromethane	ND		ug/m ³	2.1	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
75-25-2	Bromoform	ND		ug/m ³	3.2	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
74-83-9	Bromomethane	ND		ug/m ³	1.2	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
75-15-0	Carbon disulfide	11		ug/m ³	0.95	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.48	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
108-90-7	Chlorobenzene	3.5		ug/m ³	1.4	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
75-00-3	Chloroethane	ND		ug/m ³	0.81	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
67-66-3	Chloroform	ND		ug/m ³	1.5	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
74-87-3	Chloromethane	ND		ug/m ³	0.63	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
156-59-2	cis-1,2-Dichloroethylene	5.1		ug/m ³	0.30	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	1.4	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
110-82-7	Cyclohexane	180		ug/m ³	1.1	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
124-48-1	Dibromochloromethane	ND		ug/m ³	2.6	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	1.5	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
141-78-6	* Ethyl acetate	18		ug/m ³	2.2	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
100-41-4	Ethyl Benzene	5.7		ug/m ³	1.3	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ



Sample Information

Client Sample ID: 097_LSV-7

York Sample ID: 21D0856-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0856

100688801

Soil Vapor

April 19, 2021 10:51 am

04/19/2021

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	3.3	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
67-63-0	Isopropanol	4.3	TO-CC V, TO-LC S-L	ug/m ³	1.5	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
80-62-6	Methyl Methacrylate	17		ug/m ³	1.3	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	1.1	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
75-09-2	Methylene chloride	11		ug/m ³	2.1	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
142-82-5	n-Heptane	40		ug/m ³	1.3	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
110-54-3	n-Hexane	290		ug/m ³	1.1	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
95-47-6	o-Xylene	10		ug/m ³	1.3	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
179601-23-1	p- & m- Xylenes	14		ug/m ³	2.7	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
622-96-8	* p-Ethyltoluene	6.9		ug/m ³	1.5	3.064	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 01:51	LJ
115-07-1	* Propylene	ND		ug/m ³	0.53	3.064	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 01:51	LJ
100-42-5	Styrene	ND		ug/m ³	1.3	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
127-18-4	Tetrachloroethylene	2.7		ug/m ³	2.1	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	1.8	3.064	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 01:51	LJ
108-88-3	Toluene	8.9		ug/m ³	1.2	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	1.2	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	1.4	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.41	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	1.7	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
108-05-4	Vinyl acetate	2.0		ug/m ³	1.1	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ
593-60-2	Vinyl bromide	ND		ug/m ³	1.3	3.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 01:51	LJ



Sample Information

Client Sample ID: 097_LSV-7

York Sample ID: 21D0856-07

York Project (SDG) No. 21D0856

Client Project ID 100688801

Matrix Soil Vapor

Collection Date/Time April 19, 2021 10:51 am

Date Received 04/19/2021

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	2.3		ug/m ³	0.39	3.064	EPA TO-15	04/25/2021 08:00	04/26/2021 01:51	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		



Sample Information

Client Sample ID: 098_LSV-8

York Sample ID: 21D0856-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0856

100688801

Soil Vapor

April 19, 2021 11:36 am

04/19/2021

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	1.556	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 02:56	LJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.85	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.1	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.2	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.85	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.63	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.15	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.2	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
95-63-6	1,2,4-Trimethylbenzene	3.2		ug/m ³	0.76	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.2	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.94	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.63	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.72	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.1	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
108-67-8	1,3,5-Trimethylbenzene	0.99		ug/m ³	0.76	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
106-99-0	1,3-Butadiene	ND		ug/m ³	1.0	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
541-73-1	1,3-Dichlorobenzene	7.8		ug/m ³	0.94	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.72	1.556	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 02:56	LJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.94	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
123-91-1	1,4-Dioxane	ND		ug/m ³	1.1	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
78-93-3	2-Butanone	47		ug/m ³	0.46	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
591-78-6	* 2-Hexanone	ND		ug/m ³	1.3	1.556	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 02:56	LJ



Sample Information

Client Sample ID: 098_LSV-8

York Sample ID: 21D0856-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0856

100688801

Soil Vapor

April 19, 2021 11:36 am

04/19/2021

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	2.4	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.64	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
67-64-1	Acetone	81		ug/m ³	0.74	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.34	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
71-43-2	Benzene	3.9		ug/m ³	0.50	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.81	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
75-27-4	Bromodichloromethane	ND		ug/m ³	1.0	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
75-25-2	Bromoform	ND		ug/m ³	1.6	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
74-83-9	Bromomethane	ND		ug/m ³	0.60	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
75-15-0	Carbon disulfide	0.73		ug/m ³	0.48	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.24	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
108-90-7	Chlorobenzene	0.72		ug/m ³	0.72	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
75-00-3	Chloroethane	ND		ug/m ³	0.41	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
67-66-3	Chloroform	ND		ug/m ³	0.76	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
74-87-3	Chloromethane	ND		ug/m ³	0.32	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.15	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.71	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
110-82-7	Cyclohexane	1.2		ug/m ³	0.54	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
124-48-1	Dibromochloromethane	ND		ug/m ³	1.3	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
75-71-8	Dichlorodifluoromethane	6.2		ug/m ³	0.77	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
141-78-6	* Ethyl acetate	1.9		ug/m ³	1.1	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
100-41-4	Ethyl Benzene	2.0		ug/m ³	0.68	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ



Sample Information

Client Sample ID: 098_LSV-8

York Sample ID: 21D0856-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0856

100688801

Soil Vapor

April 19, 2021 11:36 am

04/19/2021

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	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
67-63-0	Isopropanol	8.1	TO-CC V, TO-LC S-L	ug/m ³	0.76	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
80-62-6	Methyl Methacrylate	0.96		ug/m ³	0.64	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.56	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
75-09-2	Methylene chloride	4.6		ug/m ³	1.1	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
142-82-5	n-Heptane	3.3		ug/m ³	0.64	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
110-54-3	n-Hexane	6.9		ug/m ³	0.55	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
95-47-6	o-Xylene	3.0		ug/m ³	0.68	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
179601-23-1	p- & m- Xylenes	7.4		ug/m ³	1.4	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
622-96-8	* p-Ethyltoluene	3.0		ug/m ³	0.76	1.556	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 02:56	LJ
115-07-1	* Propylene	ND		ug/m ³	0.27	1.556	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 02:56	LJ
100-42-5	Styrene	ND		ug/m ³	0.66	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
127-18-4	Tetrachloroethylene	ND		ug/m ³	1.1	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
109-99-9	* Tetrahydrofuran	160		ug/m ³	0.92	1.556	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 02:56	LJ
108-88-3	Toluene	7.6		ug/m ³	0.59	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.62	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.71	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.21	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
75-69-4	Trichlorofluoromethane (Freon 11)	2.4		ug/m ³	0.87	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.55	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ
593-60-2	Vinyl bromide	ND		ug/m ³	0.68	1.556	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 02:56	LJ



Sample Information

Client Sample ID: 098_LSV-8

York Sample ID: 21D0856-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0856

100688801

Soil Vapor

April 19, 2021 11:36 am

04/19/2021

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	0.20	1.556	EPA TO-15	04/25/2021 08:00	04/26/2021 02:56	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		



Sample Information

Client Sample ID: 099_AMBIENT-1

York Sample ID: 21D0856-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0856

100688801

Outdoor Ambient Air

April 19, 2021 2:48 pm

04/19/2021

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	0.77	1.123	EPA TO-15 Certifications:	04/25/2021 08:00	04/25/2021 18:24	LJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.61	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.77	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.86	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.61	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.45	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.11	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.83	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.55	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.86	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.68	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.45	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.52	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.79	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.55	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
106-99-0	1,3-Butadiene	ND		ug/m ³	0.75	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.68	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.52	1.123	EPA TO-15 Certifications:	04/25/2021 08:00	04/25/2021 18:24	LJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.68	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
123-91-1	1,4-Dioxane	ND		ug/m ³	0.81	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
78-93-3	2-Butanone	0.83		ug/m ³	0.33	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
591-78-6	* 2-Hexanone	ND		ug/m ³	0.92	1.123	EPA TO-15 Certifications:	04/25/2021 08:00	04/25/2021 18:24	LJ



Sample Information

Client Sample ID: 099_AMBIENT-1

York Sample ID: 21D0856-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0856

100688801

Outdoor Ambient Air

April 19, 2021 2:48 pm

04/19/2021

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	1.8	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.46	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
67-64-1	Acetone	9.0		ug/m ³	0.53	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.24	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
71-43-2	Benzene	0.68		ug/m ³	0.36	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.58	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
75-27-4	Bromodichloromethane	ND		ug/m ³	0.75	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
75-25-2	Bromoform	ND		ug/m ³	1.2	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
74-83-9	Bromomethane	ND		ug/m ³	0.44	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
75-15-0	Carbon disulfide	ND		ug/m ³	0.35	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
56-23-5	Carbon tetrachloride	0.57		ug/m ³	0.18	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.52	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
75-00-3	Chloroethane	ND		ug/m ³	0.30	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
67-66-3	Chloroform	ND		ug/m ³	0.55	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
74-87-3	Chloromethane	1.4		ug/m ³	0.23	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.11	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.51	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
110-82-7	Cyclohexane	ND		ug/m ³	0.39	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
124-48-1	Dibromochloromethane	ND		ug/m ³	0.96	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
75-71-8	Dichlorodifluoromethane	2.3		ug/m ³	0.56	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
141-78-6	* Ethyl acetate	ND		ug/m ³	0.81	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
100-41-4	Ethyl Benzene	1.2		ug/m ³	0.49	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ



Sample Information

Client Sample ID: 099_AMBIENT-1

York Sample ID: 21D0856-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0856

100688801

Outdoor Ambient Air

April 19, 2021 2:48 pm

04/19/2021

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	1.2		ug/m ³	1.2	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
67-63-0	Isopropanol	13	TO-CC V, TO-LC S-L	ug/m ³	0.55	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
80-62-6	Methyl Methacrylate	0.51		ug/m ³	0.46	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.40	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
75-09-2	Methylene chloride	20		ug/m ³	0.78	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
142-82-5	n-Heptane	ND		ug/m ³	0.46	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
110-54-3	n-Hexane	0.75		ug/m ³	0.40	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
95-47-6	o-Xylene	1.4		ug/m ³	0.49	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
179601-23-1	p- & m- Xylenes	6.0		ug/m ³	0.98	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.55	1.123	EPA TO-15 Certifications:	04/25/2021 08:00	04/25/2021 18:24	LJ
115-07-1	* Propylene	0.97		ug/m ³	0.19	1.123	EPA TO-15 Certifications:	04/25/2021 08:00	04/25/2021 18:24	LJ
100-42-5	Styrene	ND		ug/m ³	0.48	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
127-18-4	Tetrachloroethylene	ND		ug/m ³	0.76	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.66	1.123	EPA TO-15 Certifications:	04/25/2021 08:00	04/25/2021 18:24	LJ
108-88-3	Toluene	2.1		ug/m ³	0.42	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.45	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.51	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.15	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
75-69-4	Trichlorofluoromethane (Freon 11)	1.8		ug/m ³	0.63	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.40	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ
593-60-2	Vinyl bromide	ND		ug/m ³	0.49	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ



Sample Information

Client Sample ID: 099_AMBIENT-1

York Sample ID: 21D0856-09

York Project (SDG) No. 21D0856

Client Project ID 100688801

Matrix Outdoor Ambient Air

Collection Date/Time April 19, 2021 2:48 pm

Date Received 04/19/2021

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	0.14	1.123	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/25/2021 18:24	LJ



Sample Information

Client Sample ID: 100_DUP-1

York Sample ID: 21D0856-10

<u>York Project (SDG) No.</u> 21D0856	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil Vapor	<u>Collection Date/Time</u> April 19, 2021 10:53 am	<u>Date Received</u> 04/19/2021
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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	1.0	1.499	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 04:01	LJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.82	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.0	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.1	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.82	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.61	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.15	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.1	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
95-63-6	1,2,4-Trimethylbenzene	1.4		ug/m ³	0.74	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.2	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.90	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.61	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.69	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.0	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.74	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
106-99-0	1,3-Butadiene	ND		ug/m ³	0.99	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.90	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.69	1.499	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 04:01	LJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.90	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
123-91-1	1,4-Dioxane	ND		ug/m ³	1.1	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
78-93-3	2-Butanone	5.6		ug/m ³	0.44	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
591-78-6	* 2-Hexanone	ND		ug/m ³	1.2	1.499	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 04:01	LJ



Sample Information

Client Sample ID: 100_DUP-1

York Sample ID: 21D0856-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0856

100688801

Soil Vapor

April 19, 2021 10:53 am

04/19/2021

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	2.3	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.61	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
67-64-1	Acetone	8.1		ug/m ³	0.71	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.33	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
71-43-2	Benzene	0.81		ug/m ³	0.48	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.78	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
75-27-4	Bromodichloromethane	ND		ug/m ³	1.0	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
75-25-2	Bromoform	ND		ug/m ³	1.5	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
74-83-9	Bromomethane	ND		ug/m ³	0.58	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
75-15-0	Carbon disulfide	18		ug/m ³	0.47	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.24	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.69	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
75-00-3	Chloroethane	ND		ug/m ³	0.40	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
67-66-3	Chloroform	ND		ug/m ³	0.73	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
74-87-3	Chloromethane	ND		ug/m ³	0.31	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.15	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.68	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
110-82-7	Cyclohexane	1.5		ug/m ³	0.52	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
124-48-1	Dibromochloromethane	ND		ug/m ³	1.3	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
75-71-8	Dichlorodifluoromethane	1.3		ug/m ³	0.74	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
141-78-6	* Ethyl acetate	ND		ug/m ³	1.1	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
100-41-4	Ethyl Benzene	0.91		ug/m ³	0.65	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ



Sample Information

Client Sample ID: 100_DUP-1

York Sample ID: 21D0856-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D0856

100688801

Soil Vapor

April 19, 2021 10:53 am

04/19/2021

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	1.6	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
67-63-0	Isopropanol	6.0	TO-CC V, TO-LC S-L	ug/m ³	0.74	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.61	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.54	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
75-09-2	Methylene chloride	1.6		ug/m ³	1.0	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
142-82-5	n-Heptane	0.92		ug/m ³	0.61	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
110-54-3	n-Hexane	2.0		ug/m ³	0.53	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
95-47-6	o-Xylene	1.8		ug/m ³	0.65	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
179601-23-1	p- & m- Xylenes	4.0		ug/m ³	1.3	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
622-96-8	* p-Ethyltoluene	1.2		ug/m ³	0.74	1.499	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 04:01	LJ
115-07-1	* Propylene	2.5		ug/m ³	0.26	1.499	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 04:01	LJ
100-42-5	Styrene	ND		ug/m ³	0.64	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
127-18-4	Tetrachloroethylene	2.0		ug/m ³	1.0	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
109-99-9	* Tetrahydrofuran	16		ug/m ³	0.88	1.499	EPA TO-15 Certifications:	04/25/2021 08:00	04/26/2021 04:01	LJ
108-88-3	Toluene	2.4		ug/m ³	0.56	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.59	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.68	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.20	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
75-69-4	Trichlorofluoromethane (Freon 11)	5.1		ug/m ³	0.84	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.53	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ
593-60-2	Vinyl bromide	ND		ug/m ³	0.66	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ



Sample Information

Client Sample ID: 100_DUP-1

York Sample ID: 21D0856-10

York Project (SDG) No. 21D0856

Client Project ID 100688801

Matrix Soil Vapor

Collection Date/Time April 19, 2021 10:53 am

Date Received 04/19/2021

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	0.19	1.499	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/25/2021 08:00	04/26/2021 04:01	LJ



Analytical Batch Summary

Batch ID: BD11339

Preparation Method: EPA TO15 PREP

Prepared By: AS

YORK Sample ID	Client Sample ID	Preparation Date
21D0856-01	091_LSV-1	04/25/21
21D0856-02	092_LSV-2	04/25/21
21D0856-03	093_LSV-3	04/25/21
21D0856-04	094_LSV-4	04/25/21
21D0856-05	095_LSV-5	04/25/21
21D0856-06	096_LSV-6	04/25/21
21D0856-07	097_LSV-7	04/25/21
21D0856-08	098_LSV-8	04/25/21
21D0856-09	099_AMBIENT-1	04/25/21
21D0856-10	100_DUP-1	04/25/21
BD11339-BLK1	Blank	04/25/21
BD11339-BS1	LCS	04/25/21



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
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Batch BD11339 - EPA TO15 PREP

Blank (BD11339-BLK1)	Blank										
											Prepared & Analyzed: 04/25/2021
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
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Batch BD11339 - EPA TO15 PREP

Blank (BD11339-BLK1)	Blank	Prepared & Analyzed: 04/25/2021									
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 (BD11339-BS1)	LCS	Prepared & Analyzed: 04/25/2021									
1,1,1,2-Tetrachloroethane	9.12		ppbv	10.0	91.2	70-130					
1,1,1-Trichloroethane	8.54		"	10.0	85.4	70-130					
1,1,2,2-Tetrachloroethane	9.92		"	10.0	99.2	70-130					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.34		"	10.0	93.4	70-130					
1,1,2-Trichloroethane	10.3		"	10.0	103	70-130					
1,1-Dichloroethane	9.05		"	10.0	90.5	70-130					
1,1-Dichloroethylene	8.64		"	10.0	86.4	70-130					
1,2,4-Trichlorobenzene	7.07		"	10.0	70.7	70-130					
1,2,4-Trimethylbenzene	9.94		"	10.0	99.4	70-130					
1,2-Dibromoethane	9.81		"	10.0	98.1	70-130					
1,2-Dichlorobenzene	8.63		"	10.0	86.3	70-130					
1,2-Dichloroethane	8.33		"	10.0	83.3	70-130					
1,2-Dichloropropane	10.2		"	10.0	102	70-130					
1,2-Dichlorotetrafluoroethane	9.01		"	10.0	90.1	70-130					
1,3,5-Trimethylbenzene	9.73		"	10.0	97.3	70-130					
1,3-Butadiene	8.67		"	10.0	86.7	70-130					
1,3-Dichlorobenzene	8.74		"	10.0	87.4	70-130					
1,3-Dichloropropane	10.0		"	10.0	100	70-130					
1,4-Dichlorobenzene	8.54		"	10.0	85.4	70-130					
1,4-Dioxane	8.37		"	10.0	83.7	70-130					
2-Butanone	8.70		"	10.0	87.0	70-130					
2-Hexanone	9.34		"	10.0	93.4	70-130					
3-Chloropropene	9.14		"	10.0	91.4	70-130					
4-Methyl-2-pentanone	9.63		"	10.0	96.3	70-130					
Acetone	8.57		"	10.0	85.7	70-130					
Acrylonitrile	9.67		"	10.0	96.7	70-130					
Benzene	8.65		"	10.0	86.5	70-130					
Benzyl chloride	10.2		"	10.0	102	70-130					
Bromodichloromethane	9.73		"	10.0	97.3	70-130					
Bromoform	9.30		"	10.0	93.0	70-130					
Bromomethane	11.3		"	10.0	113	70-130					
Carbon disulfide	9.50		"	10.0	95.0	70-130					
Carbon tetrachloride	8.22		"	10.0	82.2	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
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Batch BD11339 - EPA TO15 PREP

LCS (BD11339-BS1)	LCS								Prepared & Analyzed: 04/25/2021
Chlorobenzene	9.18		ppbv	10.0		91.8	70-130		
Chloroethane	11.5		"	10.0		115	70-130		
Chloroform	8.80		"	10.0		88.0	70-130		
Chloromethane	7.76		"	10.0		77.6	70-130		
cis-1,2-Dichloroethylene	8.55		"	10.0		85.5	70-130		
cis-1,3-Dichloropropylene	10.6		"	10.0		106	70-130		
Cyclohexane	9.66		"	10.0		96.6	70-130		
Dibromochloromethane	9.97		"	10.0		99.7	70-130		
Dichlorodifluoromethane	8.39		"	10.0		83.9	70-130		
Ethyl acetate	8.96		"	10.0		89.6	70-130		
Ethyl Benzene	9.59		"	10.0		95.9	70-130		
Hexachlorobutadiene	7.50		"	10.0		75.0	70-130		
Isopropanol	6.20		"	10.0		62.0	70-130	Low Bias	
Methyl Methacrylate	10.2		"	10.0		102	70-130		
Methyl tert-butyl ether (MTBE)	8.86		"	10.0		88.6	70-130		
Methylene chloride	8.87		"	10.0		88.7	70-130		
n-Heptane	9.12		"	10.0		91.2	70-130		
n-Hexane	8.55		"	10.0		85.5	70-130		
o-Xylene	10.0		"	10.0		100	70-130		
p- & m- Xylenes	19.0		"	20.0		95.2	70-130		
p-Ethyltoluene	10.0		"	10.0		100	70-130		
Propylene	8.08		"	10.0		80.8	70-130		
Styrene	10.1		"	10.0		101	70-130		
Tetrachloroethylene	8.40		"	10.0		84.0	70-130		
Tetrahydrofuran	8.63		"	10.0		86.3	70-130		
Toluene	10.1		"	10.0		101	70-130		
trans-1,2-Dichloroethylene	9.20		"	10.0		92.0	70-130		
trans-1,3-Dichloropropylene	10.7		"	10.0		107	70-130		
Trichloroethylene	9.02		"	10.0		90.2	70-130		
Trichlorofluoromethane (Freon 11)	8.85		"	10.0		88.5	70-130		
Vinyl acetate	8.57		"	10.0		85.7	70-130		
Vinyl bromide	10.2		"	10.0		102	70-130		
Vinyl Chloride	8.17		"	10.0		81.7	70-130		





Sample and Data Qualifiers Relating to This Work Order

- TO-LCS-L The result reported for this compound may be biased low due to its behavior in the analysis batch LCS where it recovered less 70% of the expected value.
- TO-CCV The value reported is ESTIMATED for this compound due to its behavior during continuing calibration verification (>30% Difference from initial calibration).

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 - AIR

YORK Project No.
21 D0886

Your Page 1 of 1

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 INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: Langan	Address: 300 Kimball Dr. Parsippany, NJ 973-5604900	Company: SAME	Address: SAME	Company: SAME	Address: SAME	100 688801	RUSH - Next Day	RUSH - Two Day	RUSH - Three Day
Contact: Brandon Reiner	E-mail: breiner@langan.com	Phone: SAME	Contact: SAME	Phone: SAME	Contact: SAME	12096 Flatlands Ave	RUSH - Four Day	Standard (5-7 Day)	<input checked="" type="checkbox"/>

Brandon Reiner
Samples Collected by: (print your name above and sign below)

Brandon Reiner

Air Matrix Codes	Samples From	Report / EDD Type (circle selections)	YORK Reg. Comp.
AI - Indoor Ambient Air	New York	CT RCP	Standard Excel EDD
AO - Outdoor Amb. Air	New Jersey	CT RCP DQ/DUE	EQUIS (Standard)
AE - Vapor Extraction Well Process Gas/Effluent	Connecticut	NUDEP Reduced Deliv.	<u>NYSDEC EQUIS</u>
AS - Soil Vapor/Sub-Slab	Pennsylvania	NUDEP SRP HazSite	
	Other	Other:	

Certified Canisters: Batch		Individual		Please enter the following REQUIRED Field Data				Reporting Units: ug/m ³ ppbv ppmv	
Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested	Compared to the following Regulation(s): (please fill in)	
091-LSV-1	4/14/21 8:42-10:50	SU	-30	-5	23150	7094	TD-15 VOCs		
092-LSV-2	4/14/21 8:47-10:53	SU	-30	-4	28312	5123			
093-LSV-3	4/14/21 8:40-10:33	SU	-28	-3	34498	5706			
094-LSV-4	4/14/21 8:37-10:37	SU	-29	-4	37807	T-1			
095-LSV-5	4/14/21 8:32-10:30	SU	-30	-4	24121	5610			
096-LSV-6	4/14/21 9:20-11:30	SU	-30	-5	16953	13562			
097-LSV-7	4/14/21 9:04-10:51	SU	-30	-5	23157	7090			
098-LSV-8	4/14/21 9:34-11:36	SU	-30	-5	29246	5704			
099-AMBIENT-1	4/19/21 8:10-14:18	AO	-27.5	-9.5	17352	5627			
100-DVP-1	4/14/21 8:47-10:53	SV	-30	-4	20944	12189			

Comments:

Detection Limits Required	Sampling Media
≤ 1 ug/m ³ Routine Survey	6 Liter Canister
3 NYSDEC V1 Limits	Tedlar Bag
Samples Relinquished by / Company	Date/Time
Brandon Reiner - Langan	4/19/21 14:48
Samples Received by / Company	Date/Time
Tommy / York	4/19/21
Samples Relinquished by / Company	Date/Time
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
Samples Relinquished by / Company	Date/Time
Samples Received by / Company	Date/Time



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive
Parsipanny NJ, 07054
Attention: Amanda Forsburg

Report Date: 07/27/2018
Client Project ID: 100688801
York Project (SDG) No.: 18E0411

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

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ClientServices@yorklab.com

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive
Parsipanny NJ, 07054
Attention: Amanda Forsburg

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 May 08, 2018 and listed below. The project was identified as your project: **100688801**.

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>
18E0411-05	005/LSB-15A	Soil	05/08/2018	05/08/2018
18E0411-06	006/LSB-15B	Soil	05/08/2018	05/08/2018
18E0411-07	007/LSB-17A	Soil	05/08/2018	05/08/2018
18E0411-08	008/LSB-17B	Soil	05/08/2018	05/08/2018
18E0411-09	009/LSB-20A	Soil	05/08/2018	05/08/2018
18E0411-10	010/LSB-20B	Soil	05/08/2018	05/08/2018
18E0411-11	011/LSB-18A	Soil	05/08/2018	05/08/2018
18E0411-12	012/LSB-18B	Soil	05/08/2018	05/08/2018
18E0411-14	014/LSB-16A	Soil	05/08/2018	05/08/2018
18E0411-15	015/DUP-1	Soil	05/08/2018	05/08/2018
18E0411-16	016/LSB-16B	Soil	05/08/2018	05/08/2018
18E0411-19	019/LSB-19A	Soil	05/08/2018	05/08/2018
18E0411-20	020/LSB-19B	Soil	05/08/2018	05/08/2018

General Notes for York Project (SDG) No.: 18E0411

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: 07/27/2018





Sample Information

Client Sample ID: 005/LSB-15A

York Sample ID: 18E0411-05

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
18E0411	100688801	Soil	May 8, 2018 8:10 am	05/08/2018

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	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 11:07	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 11:07	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.049	0.098	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS



Sample Information

Client Sample ID: 005/LSB-15A

York Sample ID: 18E0411-05

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:10 am	<u>Date Received</u> 05/08/2018
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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
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 11:07	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
67-64-1	Acetone	0.0078	SCAL-E, J	mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS



Sample Information

Client Sample ID: 005/LSB-15A

York Sample ID: 18E0411-05

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:10 am	<u>Date Received</u> 05/08/2018
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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
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
75-09-2	Methylene chloride	0.0094	SCAL- E, J	mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0098	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS



Sample Information

Client Sample ID: 005/LSB-15A

York Sample ID: 18E0411-05

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:10 am	<u>Date Received</u> 05/08/2018
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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
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0073	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 11:07	SS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %			77-125						
2037-26-5	Surrogate: Toluene-d8	102 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	101 %			76-130						

Semivolatiles, 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	0.0691	J	mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR



Sample Information

Client Sample ID: 005/LSB-15A

York Sample ID: 18E0411-05

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:10 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
91-57-6	2-Methylnaphthalene	0.213		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
83-32-9	Acenaphthene	1.05		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
208-96-8	Acenaphthylene	0.0909		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
62-53-3	Aniline	ND		mg/kg dry	0.177	0.353	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
120-12-7	Anthracene	2.55		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR



Sample Information

Client Sample ID: 005/LSB-15A

York Sample ID: 18E0411-05

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:10 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
1912-24-9	Atrazine	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
92-87-5	Benzidine	ND		mg/kg dry	0.177	0.353	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
56-55-3	Benzo(a)anthracene	4.12		mg/kg dry	0.110	0.220	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 03:37	SR
50-32-8	Benzo(a)pyrene	3.63		mg/kg dry	0.110	0.220	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 03:37	SR
205-99-2	Benzo(b)fluoranthene	2.85		mg/kg dry	0.110	0.220	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 03:37	SR
191-24-2	Benzo(g,h,i)perylene	2.30		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
207-08-9	Benzo(k)fluoranthene	2.73		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.111		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
86-74-8	Carbazole	0.578		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
218-01-9	Chrysene	3.59		mg/kg dry	0.110	0.220	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 03:37	SR
53-70-3	Dibenzo(a,h)anthracene	0.729	CCV-E	mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
132-64-9	Dibenzofuran	0.607		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR



Sample Information

Client Sample ID: 005/LSB-15A

York Sample ID: 18E0411-05

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:10 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
206-44-0	Fluoranthene	8.52		mg/kg dry	0.442	0.882	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 04:08	SR
86-73-7	Fluorene	1.06		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
193-39-5	Indeno(1,2,3-cd)pyrene	1.99	CCV-E	mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
91-20-3	Naphthalene	0.211		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
85-01-8	Phenanthrene	9.51		mg/kg dry	0.442	0.882	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 04:08	SR
108-95-2	Phenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
129-00-0	Pyrene	10.9	CCV-E	mg/kg dry	0.442	0.882	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 04:08	SR
110-86-1	Pyridine	ND		mg/kg dry	0.177	0.353	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	30.7 %	20-108								
4165-62-2	Surrogate: Phenol-d5	39.1 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	46.4 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	38.0 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	63.2 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	45.3 %	24-116								



Sample Information

Client Sample ID: 005/LSB-15A

York Sample ID: 18E0411-05

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:10 am	<u>Date Received</u> 05/08/2018
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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
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
5103-71-9	alpha-Chlordane	0.00576	GC-P	mg/kg dry	0.00174	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 10:43	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0348	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 10:43	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
72-20-8	Endrin	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
5566-34-7	gamma-Chlordane	0.00453	GC-P	mg/kg dry	0.00174	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 10:43	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00870	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0881	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: 005/LSB-15A

York Sample ID: 18E0411-05

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:10 am	<u>Date Received</u> 05/08/2018
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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
2051-24-3	Surrogate: Decachlorobiphenyl	68.1 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	14.5 %	GC-SC		30-150					

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:34	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:34	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:34	SA
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:34	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:34	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:34	SA
11096-82-5	Aroclor 1260	0.208		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:34	SA
1336-36-3	* Total PCBs	0.208		mg/kg dry	0.0176	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 15:34	SA

Surrogate Recoveries

Result

Acceptance Range

877-09-8	Surrogate: Tetrachloro-m-xylene	65.3 %		30-120
2051-24-3	Surrogate: Decachlorobiphenyl	66.5 %		30-120

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	5250		mg/kg dry	5.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-36-0	Antimony	ND		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-38-2	Arsenic	1.46		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-39-3	Barium	113		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-41-7	Beryllium	0.244		mg/kg dry	0.106	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML



Sample Information

Client Sample ID: 005/LSB-15A

York Sample ID: 18E0411-05

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:10 am	<u>Date Received</u> 05/08/2018
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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
7440-43-9	Cadmium	0.617		mg/kg dry	0.318	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-70-2	Calcium	8380		mg/kg dry	5.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-47-3	Chromium	17.9		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-48-4	Cobalt	5.09		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-50-8	Copper	70.7		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7439-89-6	Iron	13900		mg/kg dry	2.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7439-92-1	Lead	166		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7439-95-4	Magnesium	4220		mg/kg dry	5.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7439-96-5	Manganese	215		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-02-0	Nickel	17.0		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-09-7	Potassium	504		mg/kg dry	5.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7782-49-2	Selenium	ND		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-22-4	Silver	ND		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-23-5	Sodium	107		mg/kg dry	10.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-28-0	Thallium	ND		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-62-2	Vanadium	20.5		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-66-6	Zinc	203		mg/kg dry	1.59	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML

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	0.241		mg/kg dry	0.0318	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 11:03	SY



Sample Information

Client Sample ID: 005/LSB-15A

York Sample ID: 18E0411-05

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:10 am	<u>Date Received</u> 05/08/2018
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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	94.4		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	TAJ

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 Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM

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	17.9		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM

Sample Information

Client Sample ID: 006/LSB-15B

York Sample ID: 18E0411-06

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:15 am	<u>Date Received</u> 05/08/2018
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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	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 11:39	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS



Sample Information

Client Sample ID: 006/LSB-15B

York Sample ID: 18E0411-06

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:15 am	<u>Date Received</u> 05/08/2018
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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
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 11:39	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.060	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 11:39	SS
78-93-3	2-Butanone	0.0074		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
67-64-1	Acetone	0.043	SCAL-E	mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS



Sample Information

Client Sample ID: 006/LSB-15B

York Sample ID: 18E0411-06

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:15 am	<u>Date Received</u> 05/08/2018
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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
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
71-43-2	Benzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS



Sample Information

Client Sample ID: 006/LSB-15B

York Sample ID: 18E0411-06

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:15 am	<u>Date Received</u> 05/08/2018
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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
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
100-42-5	Styrene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0030	0.012	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
108-88-3	Toluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0089	0.018	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 11:39	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %	77-125								
2037-26-5	Surrogate: Toluene-d8	104 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	103 %	76-130								



Sample Information

Client Sample ID: 006/LSB-15B

York Sample ID: 18E0411-06

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:15 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
91-57-6	2-Methylnaphthalene	0.423		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR



Sample Information

Client Sample ID: 006/LSB-15B

York Sample ID: 18E0411-06

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:15 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
83-32-9	Acenaphthene	0.697		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
208-96-8	Acenaphthylene	0.0652	J	mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
62-53-3	Aniline	ND		mg/kg dry	0.215	0.430	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
120-12-7	Anthracene	0.957		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
92-87-5	Benzidine	ND		mg/kg dry	0.215	0.430	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
56-55-3	Benzo(a)anthracene	1.29		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
50-32-8	Benzo(a)pyrene	1.32		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
205-99-2	Benzo(b)fluoranthene	0.719		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
191-24-2	Benzo(g,h,i)perylene	0.742		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
207-08-9	Benzo(k)fluoranthene	0.818		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR



Sample Information

Client Sample ID: 006/LSB-15B

York Sample ID: 18E0411-06

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:15 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.238		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
218-01-9	Chrysene	1.51		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
53-70-3	Dibenzo(a,h)anthracene	0.234	CCV-E	mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
132-64-9	Dibenzofuran	0.0635	J	mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
206-44-0	Fluoranthene	2.59		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
86-73-7	Fluorene	0.739		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.580	CCV-E	mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
91-20-3	Naphthalene	0.120		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR



Sample Information

Client Sample ID: 006/LSB-15B

York Sample ID: 18E0411-06

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:15 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
85-01-8	Phenanthrene	3.96		mg/kg dry	0.134	0.268	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 02:03	SR
108-95-2	Phenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
129-00-0	Pyrene	4.58	CCV-E	mg/kg dry	0.134	0.268	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 02:03	SR
110-86-1	Pyridine	ND		mg/kg dry	0.215	0.430	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	39.5 %	20-108								
4165-62-2	Surrogate: Phenol-d5	45.2 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	51.5 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	45.1 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	82.2 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	53.1 %	24-116								

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	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 10:58	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA



Sample Information

Client Sample ID: 006/LSB-15B

York Sample ID: 18E0411-06

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:15 am	<u>Date Received</u> 05/08/2018
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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
57-74-9	Chlordane, total	ND		mg/kg dry	0.0425	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 10:58	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
72-20-8	Endrin	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 10:58	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.0106	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.107	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	49.7 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	16.4 %	GC-SC	30-150						

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:46	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:46	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:46	SA



Sample Information

Client Sample ID: 006/LSB-15B

York Sample ID: 18E0411-06

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:15 am	<u>Date Received</u> 05/08/2018
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Polychlorinated Biphenyls (PCB), 8082 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
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:46	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:46	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:46	SA
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:46	SA
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 15:46	SA
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	77.2 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	45.0 %	30-120							

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	5630		mg/kg dry	6.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-36-0	Antimony	0.713		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-38-2	Arsenic	3.54		mg/kg dry	1.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-39-3	Barium	168		mg/kg dry	1.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-41-7	Beryllium	0.308		mg/kg dry	0.129	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-43-9	Cadmium	10.7		mg/kg dry	0.386	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-70-2	Calcium	6550		mg/kg dry	6.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-47-3	Chromium	21.9		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-48-4	Cobalt	5.79		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-50-8	Copper	63.9		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7439-89-6	Iron	21900		mg/kg dry	2.57	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7439-92-1	Lead	309		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML



Sample Information

Client Sample ID: 006/LSB-15B

York Sample ID: 18E0411-06

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:15 am	<u>Date Received</u> 05/08/2018
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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
7439-95-4	Magnesium	1560		mg/kg dry	6.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7439-96-5	Manganese	192		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-02-0	Nickel	15.0		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-09-7	Potassium	431		mg/kg dry	6.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7782-49-2	Selenium	ND		mg/kg dry	1.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-22-4	Silver	ND		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-23-5	Sodium	130		mg/kg dry	12.9	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-28-0	Thallium	ND		mg/kg dry	1.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-62-2	Vanadium	15.7		mg/kg dry	1.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-66-6	Zinc	3540		mg/kg dry	1.93	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML

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	0.213		mg/kg dry	0.0386	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 11:52	SY

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	77.7		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	TAJ

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	0.644	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM



Sample Information

Client Sample ID: 006/LSB-15B

York Sample ID: 18E0411-06

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:15 am	<u>Date Received</u> 05/08/2018
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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	21.9		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM

Sample Information

Client Sample ID: 007/LSB-17A

York Sample ID: 18E0411-07

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:45 am	<u>Date Received</u> 05/08/2018
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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	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
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	05/11/2018 07:30	05/11/2018 12:10	SS
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	05/11/2018 07:30	05/11/2018 12:10	SS
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	05/11/2018 07:30	05/11/2018 12:10	SS
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	05/11/2018 07:30	05/11/2018 12:10	SS
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	05/11/2018 07:30	05/11/2018 12:10	SS
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	05/11/2018 07:30	05/11/2018 12:10	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
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	05/11/2018 07:30	05/11/2018 12:10	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 12:10	SS
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	05/11/2018 07:30	05/11/2018 12:10	SS
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	05/11/2018 07:30	05/11/2018 12:10	SS
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	05/11/2018 07:30	05/11/2018 12:10	SS
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	05/11/2018 07:30	05/11/2018 12:10	SS
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	05/11/2018 07:30	05/11/2018 12:10	SS



Sample Information

Client Sample ID: 007/LSB-17A

York Sample ID: 18E0411-07

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:45 am	<u>Date Received</u> 05/08/2018
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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
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	05/11/2018 07:30	05/11/2018 12:10	SS
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	05/11/2018 07:30	05/11/2018 12:10	SS
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	05/11/2018 07:30	05/11/2018 12:10	SS
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	05/11/2018 07:30	05/11/2018 12:10	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
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	05/11/2018 07:30	05/11/2018 12:10	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.051	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 12:10	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
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	05/11/2018 07:30	05/11/2018 12:10	SS
67-64-1	Acetone	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS



Sample Information

Client Sample ID: 007/LSB-17A

York Sample ID: 18E0411-07

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:45 am	<u>Date Received</u> 05/08/2018
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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
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
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	05/11/2018 07:30	05/11/2018 12:10	SS
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	05/11/2018 07:30	05/11/2018 12:10	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
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	05/11/2018 07:30	05/11/2018 12:10	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
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	05/11/2018 07:30	05/11/2018 12:10	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS



Sample Information

Client Sample ID: 007/LSB-17A

York Sample ID: 18E0411-07

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 18E0411, 100688801, Soil, May 8, 2018 8:45 am, 05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Main data table for Volatiles, 8260 Comprehensive. Columns include CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes surrogate recoveries for 1,2-Dichloroethane-d4, Toluene-d8, and p-Bromofluorobenzene.

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

Main data table for Semivolatiles, 8270 Comprehensive. Columns include CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Parameters include 1,1-Biphenyl, 1,2,4,5-Tetrachlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,2-Diphenylhydrazine (as Azobenzene), and 1,3-Dichlorobenzene.



Sample Information

Client Sample ID: 007/LSB-17A

York Sample ID: 18E0411-07

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:45 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
91-57-6	2-Methylnaphthalene	0.784		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR



Sample Information

Client Sample ID: 007/LSB-17A

York Sample ID: 18E0411-07

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:45 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
83-32-9	Acenaphthene	0.779		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
208-96-8	Acenaphthylene	0.390		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
62-53-3	Aniline	ND		mg/kg dry	0.178	0.357	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
120-12-7	Anthracene	1.64		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
92-87-5	Benzidine	ND		mg/kg dry	0.178	0.357	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
56-55-3	Benzo(a)anthracene	2.96		mg/kg dry	0.112	0.223	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 02:35	SR
50-32-8	Benzo(a)pyrene	2.81		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
205-99-2	Benzo(b)fluoranthene	1.57		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
191-24-2	Benzo(g,h,i)perylene	1.72		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
207-08-9	Benzo(k)fluoranthene	1.86		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
85-68-7	Benzyl butyl phthalate	0.0456	J	mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.244		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR



Sample Information

Client Sample ID: 007/LSB-17A

York Sample ID: 18E0411-07

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:45 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
86-74-8	Carbazole	0.0627	J	mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
218-01-9	Chrysene	3.23		mg/kg dry	0.112	0.223	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 02:35	SR
53-70-3	Dibenzo(a,h)anthracene	0.519	CCV-E	mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
132-64-9	Dibenzofuran	0.0976		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
206-44-0	Fluoranthene	5.28		mg/kg dry	0.112	0.223	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 02:35	SR
86-73-7	Fluorene	1.25		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
193-39-5	Indeno(1,2,3-cd)pyrene	1.39	CCV-E	mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
91-20-3	Naphthalene	0.234		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
85-01-8	Phenanthrene	8.60		mg/kg dry	0.223	0.446	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 20:39	KH



Sample Information

Client Sample ID: 007/LSB-17A

York Sample ID: 18E0411-07

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:45 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
108-95-2	Phenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
129-00-0	Pyrene	8.38		mg/kg dry	0.223	0.446	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 20:39	KH
110-86-1	Pyridine	ND		mg/kg dry	0.178	0.357	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	37.9 %			20-108						
4165-62-2	Surrogate: Phenol-d5	44.7 %			23-114						
4165-60-0	Surrogate: Nitrobenzene-d5	47.4 %			22-108						
321-60-8	Surrogate: 2-Fluorobiphenyl	41.4 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	67.8 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	49.3 %			24-116						

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	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
5103-71-9	alpha-Chlordane	0.0149	GC-P	mg/kg dry	0.00176	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 11:13	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0352	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 11:13	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA



Sample Information

Client Sample ID: 007/LSB-17A

York Sample ID: 18E0411-07

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:45 am	<u>Date Received</u> 05/08/2018
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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
72-20-8	Endrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
5566-34-7	gamma-Chlordane	0.0101	GC-P	mg/kg dry	0.00176	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 11:13	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00881	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0891	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	80.7 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	26.6 %	GC-SC u	30-150						

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:59	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:59	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:59	SA
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:59	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:59	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:59	SA
11096-82-5	Aroclor 1260	0.0970		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:59	SA
1336-36-3	* Total PCBs	0.0970		mg/kg dry	0.0178	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 15:59	SA
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	83.2 %		30-120						



Sample Information

Client Sample ID: 007/LSB-17A

York Sample ID: 18E0411-07

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:45 am	<u>Date Received</u> 05/08/2018
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Polychlorinated Biphenyls (PCB), 8082 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
2051-24-3	Surrogate: Decachlorobiphenyl	92.8 %			30-120					

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	6120		mg/kg dry	5.34	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-36-0	Antimony	1.14		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-39-3	Barium	269		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-41-7	Beryllium	0.318		mg/kg dry	0.107	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-43-9	Cadmium	2.08		mg/kg dry	0.321	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-70-2	Calcium	11200		mg/kg dry	5.34	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-47-3	Chromium	25.2		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-48-4	Cobalt	7.35		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-50-8	Copper	127		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7439-89-6	Iron	42600		mg/kg dry	2.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7439-92-1	Lead	431		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7439-95-4	Magnesium	3240		mg/kg dry	5.34	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7439-96-5	Manganese	322		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-02-0	Nickel	66.4		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-09-7	Potassium	541		mg/kg dry	5.34	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7782-49-2	Selenium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-22-4	Silver	ND		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML



Sample Information

Client Sample ID: 007/LSB-17A

York Sample ID: 18E0411-07

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:45 am	<u>Date Received</u> 05/08/2018
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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
7440-23-5	Sodium	132		mg/kg dry	10.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-28-0	Thallium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-62-2	Vanadium	23.9		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-66-6	Zinc	635		mg/kg dry	1.60	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML

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	0.0321	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 12:01	SY

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	93.6		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	TAJ

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	0.855		mg/kg dry	0.534	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM

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	24.3		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM



Sample Information

Client Sample ID: 008/LSB-17B

York Sample ID: 18E0411-08

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:50 am	<u>Date Received</u> 05/08/2018
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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	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 12:42	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 12:42	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.093	0.19	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 12:42	SS



Sample Information

Client Sample ID: 008/LSB-17B

York Sample ID: 18E0411-08

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:50 am	<u>Date Received</u> 05/08/2018
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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
78-93-3	2-Butanone	0.013		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
67-64-1	Acetone	0.080	SCAL-E	mg/kg dry	0.0093	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0093	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
71-43-2	Benzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS



Sample Information

Client Sample ID: 008/LSB-17B

York Sample ID: 18E0411-08

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:50 am	<u>Date Received</u> 05/08/2018
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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
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
75-09-2	Methylene chloride	0.013	SCAL-E, J	mg/kg dry	0.0093	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0093	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
100-42-5	Styrene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0046	0.019	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
108-88-3	Toluene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS



Sample Information

Client Sample ID: 008/LSB-17B

York Sample ID: 18E0411-08

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:50 am	<u>Date Received</u> 05/08/2018
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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
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.014	0.028	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 12:42	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %			77-125						
2037-26-5	Surrogate: Toluene-d8	102 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	104 %			76-130						

Semivolatiles, 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	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR



Sample Information

Client Sample ID: 008/LSB-17B

York Sample ID: 18E0411-08

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:50 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
208-96-8	Acenaphthylene	0.0610	J	mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
62-53-3	Aniline	ND		mg/kg dry	0.206	0.413	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR



Sample Information

Client Sample ID: 008/LSB-17B

York Sample ID: 18E0411-08

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:50 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
92-87-5	Benzidine	ND		mg/kg dry	0.206	0.413	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
117-81-7	Bis(2-ethylhexyl)phthalate	1.09		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
218-01-9	Chrysene	0.0519	J	mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR



Sample Information

Client Sample ID: 008/LSB-17B

York Sample ID: 18E0411-08

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:50 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
206-44-0	Fluoranthene	0.0742	J	mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
85-01-8	Phenanthrene	0.0610	J	mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
108-95-2	Phenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
129-00-0	Pyrene	0.0948	J	mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
110-86-1	Pyridine	ND		mg/kg dry	0.206	0.413	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	44.2 %	20-108
4165-62-2	Surrogate: Phenol-d5	49.2 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	60.9 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	47.3 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	91.7 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	59.6 %	24-116



Sample Information

Client Sample ID: 008/LSB-17B

York Sample ID: 18E0411-08

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:50 am	<u>Date Received</u> 05/08/2018
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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
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/11/2018 17:05	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0409	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/11/2018 17:05	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
72-20-8	Endrin	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/11/2018 17:05	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.0102	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.104	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA

Surrogate Recoveries	Result	Acceptance Range
2051-24-3 Surrogate: Decachlorobiphenyl	74.5 %	30-150



Sample Information

Client Sample ID: 008/LSB-17B

York Sample ID: 18E0411-08

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:50 am	<u>Date Received</u> 05/08/2018
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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
877-09-8	Surrogate: Tetrachloro-m-xylene	80.8 %			30-150					

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0207	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:12	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0207	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:12	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0207	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:12	SA
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0207	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:12	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0207	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:12	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0207	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:12	SA
11096-82-5	Aroclor 1260	0.0342		mg/kg dry	0.0207	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:12	SA
1336-36-3	* Total PCBs	0.0342		mg/kg dry	0.0207	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 16:12	SA

Surrogate Recoveries

Result

Acceptance Range

877-09-8	Surrogate: Tetrachloro-m-xylene	93.6 %	30-120
2051-24-3	Surrogate: Decachlorobiphenyl	60.3 %	30-120

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	3600		mg/kg dry	6.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-36-0	Antimony	0.651		mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-38-2	Arsenic	5.94		mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-39-3	Barium	10400		mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-41-7	Beryllium	0.389		mg/kg dry	0.124	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-43-9	Cadmium	4.68		mg/kg dry	0.373	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML



Sample Information

Client Sample ID: 008/LSB-17B

York Sample ID: 18E0411-08

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 8:50 am	<u>Date Received</u> 05/08/2018
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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
7440-70-2	Calcium	4960		mg/kg dry	6.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-47-3	Chromium	13.2		mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-48-4	Cobalt	14.8		mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-50-8	Copper	40.8		mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7439-89-6	Iron	5830		mg/kg dry	2.49	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7439-92-1	Lead	566		mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7439-95-4	Magnesium	489		mg/kg dry	6.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7439-96-5	Manganese	75.2		mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-02-0	Nickel	9.49		mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-09-7	Potassium	511		mg/kg dry	6.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7782-49-2	Selenium	ND		mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-22-4	Silver	ND		mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-23-5	Sodium	166		mg/kg dry	12.4	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-28-0	Thallium	ND		mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-62-2	Vanadium	19.3		mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-66-6	Zinc	9280		mg/kg dry	18.7	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/15/2018 12:57	KML

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	0.0951		mg/kg dry	0.0373	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 12:10	SY

Total Solids

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 008/LSB-17B

York Sample ID: 18E0411-08

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 18E0411, 100688801, Soil, May 8, 2018 8:50 am, 05/08/2018

Sample Prepared by Method: % Solids Prep

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: solids, * % Solids, 80.4, %, 0.100, 1, SM 2540G, 05/14/2018 14:33, 05/14/2018 17:54, TAJ. Certifications: CTDOH

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 18540-29-9, Chromium, Hexavalent, ND, mg/kg dry, 0.622, 1, EPA 7196A, 05/09/2018 10:27, 05/09/2018 17:23, TJM. Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 16065-83-1, * Chromium, Trivalent, 13.2, mg/kg, 0.500, 1, Calculation, 05/15/2018 13:32, 05/15/2018 14:57, PAM. Certifications:

Sample Information

Client Sample ID: 009/LSB-20A

York Sample ID: 18E0411-09

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 18E0411, 100688801, Soil, May 8, 2018 9:05 am, 05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows 1-8: 630-20-6, 71-55-6, 79-34-5, 76-13-1, 79-00-5, 75-34-3, 75-35-4. All results are ND. Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP



Sample Information

Client Sample ID: 009/LSB-20A

York Sample ID: 18E0411-09

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:05 am	<u>Date Received</u> 05/08/2018
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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
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 13:14	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.051	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 13:14	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
67-64-1	Acetone	0.014	SCAL-E	mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS



Sample Information

Client Sample ID: 009/LSB-20A

York Sample ID: 18E0411-09

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:05 am	<u>Date Received</u> 05/08/2018
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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
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS



Sample Information

Client Sample ID: 009/LSB-20A

York Sample ID: 18E0411-09

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:05 am	<u>Date Received</u> 05/08/2018
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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
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
75-09-2	Methylene chloride	0.0075	SCAL-E, J	mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.010	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0077	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 13:14	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	77-125
2037-26-5	Surrogate: Toluene-d8	102 %	85-120
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	76-130



Sample Information

Client Sample ID: 009/LSB-20A

York Sample ID: 18E0411-09

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:05 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR



Sample Information

Client Sample ID: 009/LSB-20A

York Sample ID: 18E0411-09

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:05 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
208-96-8	Acenaphthylene	0.0879	J	mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
62-53-3	Aniline	ND		mg/kg dry	0.179	0.358	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
120-12-7	Anthracene	0.132		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
92-87-5	Benzidine	ND		mg/kg dry	0.179	0.358	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
56-55-3	Benzo(a)anthracene	0.565		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
50-32-8	Benzo(a)pyrene	0.588		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
205-99-2	Benzo(b)fluoranthene	0.473		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
191-24-2	Benzo(g,h,i)perylene	0.433		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
207-08-9	Benzo(k)fluoranthene	0.468		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR



Sample Information

Client Sample ID: 009/LSB-20A

York Sample ID: 18E0411-09

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:05 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.112		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
218-01-9	Chrysene	0.521		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
53-70-3	Dibenzo(a,h)anthracene	0.127	CCV-E	mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
206-44-0	Fluoranthene	0.786		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.342	CCV-E	mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR



Sample Information

Client Sample ID: 009/LSB-20A

York Sample ID: 18E0411-09

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:05 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
85-01-8	Phenanthrene	0.358		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
108-95-2	Phenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
129-00-0	Pyrene	0.949		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
110-86-1	Pyridine	ND		mg/kg dry	0.179	0.358	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	36.3 %	20-108								
4165-62-2	Surrogate: Phenol-d5	42.9 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	43.6 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	39.6 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	70.0 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	51.6 %	24-116								

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	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
50-29-3	4,4'-DDT	0.0112		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
5103-71-9	alpha-Chlordane	0.0639		mg/kg dry	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 11:28	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA



Sample Information

Client Sample ID: 009/LSB-20A

York Sample ID: 18E0411-09

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:05 am	<u>Date Received</u> 05/08/2018
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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
57-74-9	Chlordane, total	0.102		mg/kg dry	0.0354	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
60-57-1	Dieldrin	0.00434		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 11:28	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
72-20-8	Endrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
5566-34-7	gamma-Chlordane	0.0384	GC-P	mg/kg dry	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 11:28	SA
76-44-8	Heptachlor	0.00862		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00886	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0897	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	75.9 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	29.2 %	GC-SC	30-150						

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:24	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:24	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:24	SA



Sample Information

Client Sample ID: 009/LSB-20A

York Sample ID: 18E0411-09

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:05 am	<u>Date Received</u> 05/08/2018
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Polychlorinated Biphenyls (PCB), 8082 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
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:24	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:24	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:24	SA
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:24	SA
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 16:24	SA
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	93.6 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	57.9 %	30-120							

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	6690		mg/kg dry	5.40	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-36-0	Antimony	ND		mg/kg dry	0.540	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-38-2	Arsenic	4.82		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-39-3	Barium	101		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-41-7	Beryllium	0.249		mg/kg dry	0.108	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-43-9	Cadmium	0.431		mg/kg dry	0.324	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-70-2	Calcium	32400		mg/kg dry	5.40	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-47-3	Chromium	17.3		mg/kg dry	0.540	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-48-4	Cobalt	5.54		mg/kg dry	0.540	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-50-8	Copper	34.6		mg/kg dry	0.540	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7439-89-6	Iron	11300		mg/kg dry	2.16	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7439-92-1	Lead	130		mg/kg dry	0.540	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML



Sample Information

Client Sample ID: 009/LSB-20A

York Sample ID: 18E0411-09

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:05 am	<u>Date Received</u> 05/08/2018
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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
7439-95-4	Magnesium	6970		mg/kg dry	5.40	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7439-96-5	Manganese	201		mg/kg dry	0.540	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-02-0	Nickel	20.0		mg/kg dry	0.540	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-09-7	Potassium	864		mg/kg dry	5.40	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7782-49-2	Selenium	ND		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-22-4	Silver	ND		mg/kg dry	0.540	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-23-5	Sodium	189		mg/kg dry	10.8	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-28-0	Thallium	ND		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-62-2	Vanadium	19.9		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-66-6	Zinc	135		mg/kg dry	1.62	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML

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	0.183		mg/kg dry	0.0324	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 12:18	SY

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	92.7		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	TAJ

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	05/09/2018 10:27	05/09/2018 17:23	TJM



Sample Information

Client Sample ID: 009/LSB-20A

York Sample ID: 18E0411-09

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 18E0411, 100688801, Soil, May 8, 2018 9:05 am, 05/08/2018

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 16065-83-1, * Chromium, Trivalent, 17.3, mg/kg, 0.500, 1, Calculation, 05/15/2018 13:32, 05/15/2018 14:57, PAM

Sample Information

Client Sample ID: 010/LSB-20B

York Sample ID: 18E0411-10

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 18E0411, 100688801, Soil, May 8, 2018 9:20 am, 05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Multiple rows for various compounds like 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, etc.



Sample Information

Client Sample ID: 010/LSB-20B

York Sample ID: 18E0411-10

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:20 am	<u>Date Received</u> 05/08/2018
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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
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	05/11/2018 07:30	05/11/2018 13:45	SS
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	05/11/2018 07:30	05/11/2018 13:45	SS
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	05/11/2018 07:30	05/11/2018 13:45	SS
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	05/11/2018 07:30	05/11/2018 13:45	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
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	05/11/2018 07:30	05/11/2018 13:45	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.068	0.14	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 13:45	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
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	05/11/2018 07:30	05/11/2018 13:45	SS
67-64-1	Acetone	0.0096	SCAL-E, J	mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
71-43-2	Benzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS



Sample Information

Client Sample ID: 010/LSB-20B

York Sample ID: 18E0411-10

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:20 am	<u>Date Received</u> 05/08/2018
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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
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
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	05/11/2018 07:30	05/11/2018 13:45	SS
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	05/11/2018 07:30	05/11/2018 13:45	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
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	05/11/2018 07:30	05/11/2018 13:45	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
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	05/11/2018 07:30	05/11/2018 13:45	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS



Sample Information

Client Sample ID: 010/LSB-20B

York Sample ID: 18E0411-10

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:20 am	<u>Date Received</u> 05/08/2018
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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
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
100-42-5	Styrene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0034	0.014	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
108-88-3	Toluene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
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	05/11/2018 07:30	05/11/2018 13:45	SS
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	05/11/2018 07:30	05/11/2018 13:45	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.010	0.020	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 13:45	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	77-125								
2037-26-5	Surrogate: Toluene-d8	103 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	103 %	76-130								

Semivolatiles, 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	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0990	0.198	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR



Sample Information

Client Sample ID: 010/LSB-20B

York Sample ID: 18E0411-10

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:20 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0990	0.198	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0990	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0990	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0990	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0990	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR



Sample Information

Client Sample ID: 010/LSB-20B

York Sample ID: 18E0411-10

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:20 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0990	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0990	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
62-53-3	Aniline	ND		mg/kg dry	0.198	0.396	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
92-87-5	Benzidine	ND		mg/kg dry	0.198	0.396	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
56-55-3	Benzo(a)anthracene	0.122		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
50-32-8	Benzo(a)pyrene	0.112		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
205-99-2	Benzo(b)fluoranthene	0.0973	J	mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
191-24-2	Benzo(g,h,i)perylene	0.0878	J	mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
207-08-9	Benzo(k)fluoranthene	0.0933	J	mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.0704	J	mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0990	0.198	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR



Sample Information

Client Sample ID: 010/LSB-20B

York Sample ID: 18E0411-10

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:20 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
86-74-8	Carbazole	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
218-01-9	Chrysene	0.108		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
206-44-0	Fluoranthene	0.183		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.0696	CCV-E, J	mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
85-01-8	Phenanthrene	0.128		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR



Sample Information

Client Sample ID: 010/LSB-20B

York Sample ID: 18E0411-10

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
18E0411	100688801	Soil	May 8, 2018 9:20 am	05/08/2018

Semivolatiles, 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
108-95-2	Phenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
129-00-0	Pyrene	0.221		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
110-86-1	Pyridine	ND		mg/kg dry	0.198	0.396	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	50.3 %			20-108						
4165-62-2	Surrogate: Phenol-d5	56.2 %			23-114						
4165-60-0	Surrogate: Nitrobenzene-d5	62.0 %			22-108						
321-60-8	Surrogate: 2-Fluorobiphenyl	50.2 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	88.1 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	58.4 %			24-116						

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	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/11/2018 16:50	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0391	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/11/2018 16:50	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA



Sample Information

Client Sample ID: 010/LSB-20B

York Sample ID: 18E0411-10

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:20 am	<u>Date Received</u> 05/08/2018
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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
72-20-8	Endrin	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/11/2018 16:50	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00978	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0990	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	84.9 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	92.4 %	30-150							

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:37	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:37	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:37	SA
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:37	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:37	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:37	SA
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:37	SA
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 16:37	SA
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	97.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	61.2 %	30-120							



Sample Information

Client Sample ID: 010/LSB-20B

York Sample ID: 18E0411-10

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:20 am	<u>Date Received</u> 05/08/2018
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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	2730		mg/kg dry	5.96	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-36-0	Antimony	0.934		mg/kg dry	0.596	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-39-3	Barium	330		mg/kg dry	1.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-41-7	Beryllium	0.309		mg/kg dry	0.119	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-43-9	Cadmium	1.51		mg/kg dry	0.358	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-70-2	Calcium	4370		mg/kg dry	5.96	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-47-3	Chromium	74.6		mg/kg dry	0.596	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-48-4	Cobalt	22.2		mg/kg dry	0.596	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-50-8	Copper	319		mg/kg dry	0.596	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7439-89-6	Iron	86300		mg/kg dry	2.38	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7439-92-1	Lead	543		mg/kg dry	0.596	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7439-95-4	Magnesium	562		mg/kg dry	5.96	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7439-96-5	Manganese	405		mg/kg dry	0.596	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-02-0	Nickel	52.7		mg/kg dry	0.596	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-09-7	Potassium	276		mg/kg dry	5.96	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7782-49-2	Selenium	ND		mg/kg dry	1.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-22-4	Silver	1.75		mg/kg dry	0.596	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-23-5	Sodium	106		mg/kg dry	11.9	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-28-0	Thallium	ND		mg/kg dry	1.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-62-2	Vanadium	17.2		mg/kg dry	1.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML



Sample Information

Client Sample ID: 010/LSB-20B

York Sample ID: 18E0411-10

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:20 am	<u>Date Received</u> 05/08/2018
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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	423		mg/kg dry	1.79	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML

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	1.53		mg/kg dry	0.0358	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 12:27	SY

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	83.9		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	TAJ

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	0.596	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM

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	74.6		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM

Sample Information

Client Sample ID: 011/LSB-18A

York Sample ID: 18E0411-11

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:30 am	<u>Date Received</u> 05/08/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 011/LSB-18A

York Sample ID: 18E0411-11

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:30 am	<u>Date Received</u> 05/08/2018
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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	05/11/2018 07:30	05/11/2018 14:17	SS
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	05/11/2018 07:30	05/11/2018 14:17	SS
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	05/11/2018 07:30	05/11/2018 14:17	SS
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	05/11/2018 07:30	05/11/2018 14:17	SS
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	05/11/2018 07:30	05/11/2018 14:17	SS
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	05/11/2018 07:30	05/11/2018 14:17	SS
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	05/11/2018 07:30	05/11/2018 14:17	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
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	05/11/2018 07:30	05/11/2018 14:17	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 14:17	SS
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	05/11/2018 07:30	05/11/2018 14:17	SS
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	05/11/2018 07:30	05/11/2018 14:17	SS
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	05/11/2018 07:30	05/11/2018 14:17	SS
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	05/11/2018 07:30	05/11/2018 14:17	SS
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	05/11/2018 07:30	05/11/2018 14:17	SS
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	05/11/2018 07:30	05/11/2018 14:17	SS
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	05/11/2018 07:30	05/11/2018 14:17	SS
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	05/11/2018 07:30	05/11/2018 14:17	SS
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	05/11/2018 07:30	05/11/2018 14:17	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
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	05/11/2018 07:30	05/11/2018 14:17	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.049	0.098	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 14:17	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS



Sample Information

Client Sample ID: 011/LSB-18A

York Sample ID: 18E0411-11

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:30 am	<u>Date Received</u> 05/08/2018
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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
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
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	05/11/2018 07:30	05/11/2018 14:17	SS
67-64-1	Acetone	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
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	05/11/2018 07:30	05/11/2018 14:17	SS
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	05/11/2018 07:30	05/11/2018 14:17	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS



Sample Information

Client Sample ID: 011/LSB-18A

York Sample ID: 18E0411-11

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:30 am	<u>Date Received</u> 05/08/2018
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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
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
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	05/11/2018 07:30	05/11/2018 14:17	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0098	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
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	05/11/2018 07:30	05/11/2018 14:17	SS
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	05/11/2018 07:30	05/11/2018 14:17	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS



Sample Information

Client Sample ID: 011/LSB-18A

York Sample ID: 18E0411-11

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:30 am	<u>Date Received</u> 05/08/2018
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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
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0074	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 14:17	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %			77-125						
2037-26-5	Surrogate: Toluene-d8	103 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	105 %			76-130						

Semivolatiles, 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	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR



Sample Information

Client Sample ID: 011/LSB-18A

York Sample ID: 18E0411-11

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:30 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
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	05/10/2018 13:53	05/11/2018 10:25	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
208-96-8	Acenaphthylene	0.0696	J	mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
62-53-3	Aniline	ND		mg/kg dry	0.178	0.356	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
120-12-7	Anthracene	0.130		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR



Sample Information

Client Sample ID: 011/LSB-18A

York Sample ID: 18E0411-11

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:30 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
92-87-5	Benzidine	ND		mg/kg dry	0.178	0.356	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
56-55-3	Benzo(a)anthracene	0.555		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
50-32-8	Benzo(a)pyrene	0.541		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
205-99-2	Benzo(b)fluoranthene	0.435		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
191-24-2	Benzo(g,h,i)perylene	0.405		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
207-08-9	Benzo(k)fluoranthene	0.445		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
85-68-7	Benzyl butyl phthalate	0.0469	J	mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.0959		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
218-01-9	Chrysene	0.557		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
53-70-3	Dibenzo(a,h)anthracene	0.126		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
206-44-0	Fluoranthene	0.925		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR



Sample Information

Client Sample ID: 011/LSB-18A

York Sample ID: 18E0411-11

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:30 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.334		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
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	05/10/2018 13:53	05/11/2018 10:25	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
85-01-8	Phenanthrene	0.486		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
108-95-2	Phenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
129-00-0	Pyrene	1.14		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
110-86-1	Pyridine	ND		mg/kg dry	0.178	0.356	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	41.4 %	20-108
4165-62-2	Surrogate: Phenol-d5	48.6 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	47.4 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	40.9 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	69.6 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	49.9 %	24-116

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 011/LSB-18A

York Sample ID: 18E0411-11

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:30 am	<u>Date Received</u> 05/08/2018
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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	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
50-29-3	4,4'-DDT	0.0130		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
5103-71-9	alpha-Chlordane	0.0739	GC-P	mg/kg dry	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 12:27	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
57-74-9	Chlordane, total	0.113		mg/kg dry	0.0353	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
60-57-1	Dieldrin	0.00695	GC-P	mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 12:27	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
72-20-8	Endrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
5566-34-7	gamma-Chlordane	0.0394		mg/kg dry	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 12:27	SA
76-44-8	Heptachlor	0.0105		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
1024-57-3	Heptachlor epoxide	ND	GC-P	mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00883	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0894	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
	Surrogate Recoveries	Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	72.7 %		30-150						



Sample Information

Client Sample ID: 011/LSB-18A

York Sample ID: 18E0411-11

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
18E0411	100688801	Soil	May 8, 2018 9:30 am	05/08/2018

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
877-09-8	Surrogate: Tetrachloro-m-xylene	23.5 %		GC-SC u	30-150					

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
11096-82-5	Aroclor 1260	0.0482		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
1336-36-3	* Total PCBs	0.0482		mg/kg dry	0.0178	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 16:50	SA

Surrogate Recoveries

Result

Acceptance Range

877-09-8	Surrogate: Tetrachloro-m-xylene	72.3 %	30-120
2051-24-3	Surrogate: Decachlorobiphenyl	61.2 %	30-120

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	7030		mg/kg dry	5.36	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-36-0	Antimony	ND		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-38-2	Arsenic	5.10		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-39-3	Barium	104		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-41-7	Beryllium	0.261		mg/kg dry	0.107	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-43-9	Cadmium	0.426		mg/kg dry	0.321	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML



Sample Information

Client Sample ID: 011/LSB-18A

York Sample ID: 18E0411-11

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:30 am	<u>Date Received</u> 05/08/2018
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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
7440-70-2	Calcium	32900		mg/kg dry	5.36	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-47-3	Chromium	18.4		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-48-4	Cobalt	6.33		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-50-8	Copper	35.3		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7439-89-6	Iron	12600		mg/kg dry	2.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7439-92-1	Lead	111		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7439-95-4	Magnesium	8320		mg/kg dry	5.36	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7439-96-5	Manganese	263		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-02-0	Nickel	31.0		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-09-7	Potassium	1470		mg/kg dry	5.36	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7782-49-2	Selenium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-22-4	Silver	ND		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-23-5	Sodium	139		mg/kg dry	10.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-28-0	Thallium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-62-2	Vanadium	22.0		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-66-6	Zinc	115		mg/kg dry	1.61	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML

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	0.211		mg/kg dry	0.0321	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 12:40	SY

Total Solids

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 011/LSB-18A

York Sample ID: 18E0411-11

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:30 am	<u>Date Received</u> 05/08/2018
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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	93.4		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	TAJ

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	05/09/2018 10:27	05/09/2018 17:23	TJM

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	18.4		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM

Sample Information

Client Sample ID: 012/LSB-18B

York Sample ID: 18E0411-12

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:55 am	<u>Date Received</u> 05/08/2018
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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	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 14:48	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS



Sample Information

Client Sample ID: 012/LSB-18B

York Sample ID: 18E0411-12

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:55 am	<u>Date Received</u> 05/08/2018
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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
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 14:48	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.065	0.13	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 14:48	SS
78-93-3	2-Butanone	0.0089		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
67-64-1	Acetone	0.029	SCAL-E	mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS



Sample Information

Client Sample ID: 012/LSB-18B

York Sample ID: 18E0411-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 9:55 am

05/08/2018

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
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
71-43-2	Benzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
75-15-0	Carbon disulfide	0.0045	J	mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS



Sample Information

Client Sample ID: 012/LSB-18B

York Sample ID: 18E0411-12

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:55 am	<u>Date Received</u> 05/08/2018
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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
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
100-42-5	Styrene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0032	0.013	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
108-88-3	Toluene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0097	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 14:48	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	77-125								
2037-26-5	Surrogate: Toluene-d8	105 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	103 %	76-130								



Sample Information

Client Sample ID: 012/LSB-18B

York Sample ID: 18E0411-12

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:55 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR



Sample Information

Client Sample ID: 012/LSB-18B

York Sample ID: 18E0411-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 9:55 am

05/08/2018

Semivolatiles, 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
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
62-53-3	Aniline	ND		mg/kg dry	0.191	0.382	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
92-87-5	Benzidine	ND		mg/kg dry	0.191	0.382	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
56-55-3	Benzo(a)anthracene	0.0990		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
50-32-8	Benzo(a)pyrene	0.0952	J	mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
205-99-2	Benzo(b)fluoranthene	0.0800	J	mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
191-24-2	Benzo(g,h,i)perylene	0.0685	J	mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
207-08-9	Benzo(k)fluoranthene	0.0754	J	mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR



Sample Information

Client Sample ID: 012/LSB-18B

York Sample ID: 18E0411-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 9:55 am

05/08/2018

Semivolatiles, 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
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.167		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
218-01-9	Chrysene	0.0990		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
206-44-0	Fluoranthene	0.154		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.0525	CCV-E, J	mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR



Sample Information

Client Sample ID: 012/LSB-18B

York Sample ID: 18E0411-12

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:55 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
85-01-8	Phenanthrene	0.0998		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
108-95-2	Phenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
129-00-0	Pyrene	0.190		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
110-86-1	Pyridine	ND		mg/kg dry	0.191	0.382	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	52.9 %	20-108								
4165-62-2	Surrogate: Phenol-d5	57.4 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	68.5 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	54.6 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	86.3 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	57.6 %	24-116								

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	05/10/2018 13:56	05/14/2018 12:42	SA
72-55-9	4,4'-DDE	0.0134		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
50-29-3	4,4'-DDT	0.00840		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 12:42	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA



Sample Information

Client Sample ID: 012/LSB-18B

York Sample ID: 18E0411-12

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:55 am	<u>Date Received</u> 05/08/2018
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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
57-74-9	Chlordane, total	ND		mg/kg dry	0.0377	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 12:42	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
72-20-8	Endrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 12:42	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00942	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0953	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	78.0 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	20.1 %	GC-SC	30-150						

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:02	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:02	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:02	SA



Sample Information

Client Sample ID: 012/LSB-18B

York Sample ID: 18E0411-12

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:55 am	<u>Date Received</u> 05/08/2018
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Polychlorinated Biphenyls (PCB), 8082 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
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:02	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:02	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:02	SA
11096-82-5	Aroclor 1260	0.0363		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:02	SA
1336-36-3	* Total PCBs	0.0363		mg/kg dry	0.0190	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 17:02	SA
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	99.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	74.6 %	30-120							

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	7310		mg/kg dry	5.72	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-36-0	Antimony	ND		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-39-3	Barium	93.2		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-41-7	Beryllium	0.285		mg/kg dry	0.114	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.343	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-70-2	Calcium	10000		mg/kg dry	5.72	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-47-3	Chromium	26.9		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-48-4	Cobalt	5.91		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-50-8	Copper	35.4		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7439-89-6	Iron	22100		mg/kg dry	2.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7439-92-1	Lead	139		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML



Sample Information

Client Sample ID: 012/LSB-18B

York Sample ID: 18E0411-12

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:55 am	<u>Date Received</u> 05/08/2018
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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
7439-95-4	Magnesium	2290		mg/kg dry	5.72	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7439-96-5	Manganese	290		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-02-0	Nickel	18.9		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-09-7	Potassium	702		mg/kg dry	5.72	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7782-49-2	Selenium	ND		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-22-4	Silver	ND		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-23-5	Sodium	152		mg/kg dry	11.4	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-28-0	Thallium	ND		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-62-2	Vanadium	22.8		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-66-6	Zinc	95.2		mg/kg dry	1.72	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML

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	0.103		mg/kg dry	0.0343	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 12:48	SY

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	87.4		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	TAJ

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	0.572	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM



Sample Information

Client Sample ID: 012/LSB-18B

York Sample ID: 18E0411-12

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 9:55 am	<u>Date Received</u> 05/08/2018
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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	26.9		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM

Sample Information

Client Sample ID: 014/LSB-16A

York Sample ID: 18E0411-14

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 11:40 am	<u>Date Received</u> 05/08/2018
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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	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 15:20	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 15:20	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS



Sample Information

Client Sample ID: 014/LSB-16A

York Sample ID: 18E0411-14

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 11:40 am	<u>Date Received</u> 05/08/2018
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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
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.061	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 15:20	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
67-64-1	Acetone	0.013	SCAL-E	mg/kg dry	0.0061	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0061	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
71-43-2	Benzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS



Sample Information

Client Sample ID: 014/LSB-16A

York Sample ID: 18E0411-14

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 11:40 am	<u>Date Received</u> 05/08/2018
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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
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
75-09-2	Methylene chloride	0.0076	SCAL-E, J	mg/kg dry	0.0061	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0061	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS



Sample Information

Client Sample ID: 014/LSB-16A

York Sample ID: 18E0411-14

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 11:40 am	<u>Date Received</u> 05/08/2018
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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
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
100-42-5	Styrene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0031	0.012	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
108-88-3	Toluene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0092	0.018	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 15:20	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %			77-125						
2037-26-5	Surrogate: Toluene-d8	103 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	96.8 %			76-130						

Semivolatiles, 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	05/10/2018 13:53	05/11/2018 22:44	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR



Sample Information

Client Sample ID: 014/LSB-16A

York Sample ID: 18E0411-14

York Project (SDG) No.

Client Project ID

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18E0411

100688801

Soil

May 8, 2018 11:40 am

05/08/2018

Semivolatiles, 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
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
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	05/10/2018 13:53	05/11/2018 22:44	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR



Sample Information

Client Sample ID: 014/LSB-16A

York Sample ID: 18E0411-14

York Project (SDG) No.

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100688801

Soil

May 8, 2018 11:40 am

05/08/2018

Semivolatiles, 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
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
208-96-8	Acenaphthylene	0.0959		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
62-53-3	Aniline	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
120-12-7	Anthracene	0.159		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
92-87-5	Benzidine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
56-55-3	Benzo(a)anthracene	0.522		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
50-32-8	Benzo(a)pyrene	0.550		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
205-99-2	Benzo(b)fluoranthene	0.434		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
191-24-2	Benzo(g,h,i)perylene	0.452		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
207-08-9	Benzo(k)fluoranthene	0.393		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.128		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR



Sample Information

Client Sample ID: 014/LSB-16A

York Sample ID: 18E0411-14

York Project (SDG) No.

Client Project ID

Matrix

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Soil

May 8, 2018 11:40 am

05/08/2018

Semivolatiles, 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
86-74-8	Carbazole	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
218-01-9	Chrysene	0.553		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
53-70-3	Dibenzo(a,h)anthracene	0.120	CCV-E	mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
206-44-0	Fluoranthene	0.728		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
86-73-7	Fluorene	0.0465	J	mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.304	CCV-E	mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
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	05/10/2018 13:53	05/11/2018 22:44	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
85-01-8	Phenanthrene	0.537		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR



Sample Information

Client Sample ID: 014/LSB-16A

York Sample ID: 18E0411-14

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 11:40 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
108-95-2	Phenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
129-00-0	Pyrene	1.03		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
110-86-1	Pyridine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	39.5 %			20-108						
4165-62-2	Surrogate: Phenol-d5	43.7 %			23-114						
4165-60-0	Surrogate: Nitrobenzene-d5	49.0 %			22-108						
321-60-8	Surrogate: 2-Fluorobiphenyl	44.3 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	72.4 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	53.3 %			24-116						

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	05/10/2018 13:56	05/14/2018 12:57	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
50-29-3	4,4'-DDT	0.0141		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
5103-71-9	alpha-Chlordane	0.00771	GC-P	mg/kg dry	0.00182	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 12:57	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0364	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 12:57	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA



Sample Information

Client Sample ID: 014/LSB-16A

York Sample ID: 18E0411-14

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 11:40 am	<u>Date Received</u> 05/08/2018
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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
72-20-8	Endrin	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
5566-34-7	gamma-Chlordane	0.00760	GC-P	mg/kg dry	0.00182	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 12:57	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00911	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0922	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	89.3 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	26.7 %	GC-SC u	30-150						

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:15	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:15	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:15	SA
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:15	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:15	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:15	SA
11096-82-5	Aroclor 1260	0.0969		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:15	SA
1336-36-3	* Total PCBs	0.0969		mg/kg dry	0.0184	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 17:15	SA
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	84.2 %		30-120						



Sample Information

Client Sample ID: 014/LSB-16A

York Sample ID: 18E0411-14

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 11:40 am	<u>Date Received</u> 05/08/2018
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Polychlorinated Biphenyls (PCB), 8082 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
2051-24-3	Surrogate: Decachlorobiphenyl	69.4 %			30-120					

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	6670		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-36-0	Antimony	1.45		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-38-2	Arsenic	7.71		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-39-3	Barium	697		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-41-7	Beryllium	0.447		mg/kg dry	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-43-9	Cadmium	1.14		mg/kg dry	0.332	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-70-2	Calcium	11700		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-47-3	Chromium	29.4		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-48-4	Cobalt	7.77		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-50-8	Copper	155		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7439-89-6	Iron	20200		mg/kg dry	2.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7439-92-1	Lead	490		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7439-95-4	Magnesium	3420		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7439-96-5	Manganese	205		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-02-0	Nickel	27.6		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-09-7	Potassium	537		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7782-49-2	Selenium	ND		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-22-4	Silver	ND		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML



Sample Information

Client Sample ID: 014/LSB-16A

York Sample ID: 18E0411-14

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 11:40 am	<u>Date Received</u> 05/08/2018
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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
7440-23-5	Sodium	182		mg/kg dry	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-28-0	Thallium	ND		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-62-2	Vanadium	26.6		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-66-6	Zinc	431		mg/kg dry	1.66	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML

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	0.465		mg/kg dry	0.0332	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 12:57	SY

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	90.3		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	TAJ

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	0.554	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM

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	29.4		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM



Sample Information

Client Sample ID: 015/DUP-1

York Sample ID: 18E0411-15

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 11:45 am	<u>Date Received</u> 05/08/2018
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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	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 15:52	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 15:52	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 15:52	SS



Sample Information

Client Sample ID: 015/DUP-1

York Sample ID: 18E0411-15

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 11:45 am	<u>Date Received</u> 05/08/2018
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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
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
67-64-1	Acetone	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS



Sample Information

Client Sample ID: 015/DUP-1

York Sample ID: 18E0411-15

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 11:45 am	<u>Date Received</u> 05/08/2018
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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
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.010	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS



Sample Information

Client Sample ID: 015/DUP-1

York Sample ID: 18E0411-15

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 11:45 am	<u>Date Received</u> 05/08/2018
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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
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0078	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 15:52	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %	77-125								
2037-26-5	Surrogate: Toluene-d8	103 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	108 %	76-130								

Semivolatiles, 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	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR



Sample Information

Client Sample ID: 015/DUP-1

York Sample ID: 18E0411-15

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 11:45 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
208-96-8	Acenaphthylene	0.0894	J	mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
62-53-3	Aniline	ND		mg/kg dry	0.184	0.367	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
120-12-7	Anthracene	0.147		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR



Sample Information

Client Sample ID: 015/DUP-1

York Sample ID: 18E0411-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 11:45 am

05/08/2018

Semivolatiles, 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
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
92-87-5	Benzidine	ND		mg/kg dry	0.184	0.367	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
56-55-3	Benzo(a)anthracene	0.403		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
50-32-8	Benzo(a)pyrene	0.438		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
205-99-2	Benzo(b)fluoranthene	0.366		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
191-24-2	Benzo(g,h,i)perylene	0.335		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
207-08-9	Benzo(k)fluoranthene	0.342		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
117-81-7	Bis(2-ethylhexyl)phthalate	11.8		mg/kg dry	0.459	0.917	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 04:39	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
218-01-9	Chrysene	0.430		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
53-70-3	Dibenzo(a,h)anthracene	0.106	CCV-E	mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
117-84-0	Di-n-octyl phthalate	2.20		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR



Sample Information

Client Sample ID: 015/DUP-1

York Sample ID: 18E0411-15

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 11:45 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
206-44-0	Fluoranthene	0.576		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
86-73-7	Fluorene	0.0498	J	mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.262	CCV-E	mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
85-01-8	Phenanthrene	0.410		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
108-95-2	Phenol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
129-00-0	Pyrene	0.706		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
110-86-1	Pyridine	ND		mg/kg dry	0.184	0.367	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: 2-Fluorophenol	39.8 %	20-108
4165-62-2	Surrogate: Phenol-d5	43.8 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	49.0 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	42.0 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	72.3 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	50.5 %	24-116



Sample Information

Client Sample ID: 015/DUP-1

York Sample ID: 18E0411-15

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 11:45 am	<u>Date Received</u> 05/08/2018
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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
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
50-29-3	4,4'-DDT	0.00867		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
5103-71-9	alpha-Chlordane	0.00438		mg/kg dry	0.00182	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 13:12	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0363	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
60-57-1	Dieldrin	0.00454	GC-P	mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 13:12	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
72-20-8	Endrin	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
5566-34-7	gamma-Chlordane	0.00449	GC-P	mg/kg dry	0.00182	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 13:12	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00908	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0919	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: 015/DUP-1

York Sample ID: 18E0411-15

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 11:45 am	<u>Date Received</u> 05/08/2018
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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
2051-24-3	Surrogate: Decachlorobiphenyl	73.1 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	19.9 %	GC-SC		30-150					

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:27	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:27	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:27	SA
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:27	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:27	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:27	SA
11096-82-5	Aroclor 1260	0.0690		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:27	SA
1336-36-3	* Total PCBs	0.0690		mg/kg dry	0.0183	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 17:27	SA
	Surrogate Recoveries	Result					Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	81.2 %					30-120			
2051-24-3	Surrogate: Decachlorobiphenyl	64.1 %					30-120			

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	4920		mg/kg dry	5.52	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-36-0	Antimony	1.23		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-38-2	Arsenic	5.08		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-39-3	Barium	346		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-41-7	Beryllium	0.410		mg/kg dry	0.110	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML



Sample Information

Client Sample ID: 015/DUP-1

York Sample ID: 18E0411-15

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 11:45 am	<u>Date Received</u> 05/08/2018
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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
7440-43-9	Cadmium	1.16		mg/kg dry	0.331	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-70-2	Calcium	10200		mg/kg dry	5.52	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-47-3	Chromium	19.0		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-48-4	Cobalt	5.62		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-50-8	Copper	152		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7439-89-6	Iron	15600		mg/kg dry	2.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7439-92-1	Lead	446		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7439-95-4	Magnesium	3190		mg/kg dry	5.52	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7439-96-5	Manganese	196		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-02-0	Nickel	20.6		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-09-7	Potassium	466		mg/kg dry	5.52	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7782-49-2	Selenium	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-22-4	Silver	ND		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-23-5	Sodium	164		mg/kg dry	11.0	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-28-0	Thallium	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-62-2	Vanadium	22.7		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-66-6	Zinc	384		mg/kg dry	1.66	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML

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	0.350		mg/kg dry	0.0331	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 13:05	SY



Sample Information

Client Sample ID: 015/DUP-1

York Sample ID: 18E0411-15

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 11:45 am	<u>Date Received</u> 05/08/2018
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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	90.6		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	TAJ

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	0.552	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM

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	19.0		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM

Sample Information

Client Sample ID: 016/LSB-16B

York Sample ID: 18E0411-16

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 11:50 am	<u>Date Received</u> 05/08/2018
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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	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 16:23	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS



Sample Information

Client Sample ID: 016/LSB-16B

York Sample ID: 18E0411-16

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 11:50 am	<u>Date Received</u> 05/08/2018
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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
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 16:23	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.045	0.089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 16:23	SS
78-93-3	2-Butanone	0.0090		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
67-64-1	Acetone	0.033	SCAL-E	mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS



Sample Information

Client Sample ID: 016/LSB-16B

York Sample ID: 18E0411-16

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 11:50 am	<u>Date Received</u> 05/08/2018
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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
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS



Sample Information

Client Sample ID: 016/LSB-16B

York Sample ID: 18E0411-16

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 11:50 am	<u>Date Received</u> 05/08/2018
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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
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
75-09-2	Methylene chloride	0.0050	SCAL-E, J	mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 16:23	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	77-125
2037-26-5	Surrogate: Toluene-d8	100 %	85-120
460-00-4	Surrogate: p-Bromofluorobenzene	104 %	76-130



Sample Information

Client Sample ID: 016/LSB-16B

York Sample ID: 18E0411-16

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 11:50 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR



Sample Information

Client Sample ID: 016/LSB-16B

York Sample ID: 18E0411-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 11:50 am

05/08/2018

Semivolatiles, 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
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
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	05/10/2018 13:53	05/11/2018 23:45	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
208-96-8	Acenaphthylene	0.0703	J	mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
62-53-3	Aniline	ND		mg/kg dry	0.183	0.367	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
92-87-5	Benzidine	ND		mg/kg dry	0.183	0.367	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
56-55-3	Benzo(a)anthracene	0.190		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
50-32-8	Benzo(a)pyrene	0.247		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
205-99-2	Benzo(b)fluoranthene	0.170		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
191-24-2	Benzo(g,h,i)perylene	0.176		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
207-08-9	Benzo(k)fluoranthene	0.178		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR



Sample Information

Client Sample ID: 016/LSB-16B

York Sample ID: 18E0411-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 11:50 am

05/08/2018

Semivolatiles, 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
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.116		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
218-01-9	Chrysene	0.173		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
206-44-0	Fluoranthene	0.202		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.127	CCV-E	mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR



Sample Information

Client Sample ID: 016/LSB-16B

York Sample ID: 18E0411-16

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 11:50 am	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
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	05/10/2018 13:53	05/11/2018 23:45	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
85-01-8	Phenanthrene	0.0629	J	mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
108-95-2	Phenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
129-00-0	Pyrene	0.287		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
110-86-1	Pyridine	ND		mg/kg dry	0.183	0.367	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	57.6 %	20-108								
4165-62-2	Surrogate: Phenol-d5	61.5 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	68.9 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	56.4 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	89.6 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	59.8 %	24-116								

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	05/10/2018 13:56	05/14/2018 13:27	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
50-29-3	4,4'-DDT	0.0127		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 13:27	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA



Sample Information

Client Sample ID: 016/LSB-16B

York Sample ID: 18E0411-16

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 11:50 am	<u>Date Received</u> 05/08/2018
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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
57-74-9	Chlordane, total	ND		mg/kg dry	0.0360	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 13:27	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
72-20-8	Endrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 13:27	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00901	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0912	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	66.8 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	23.7 %	GC-SC	30-150						
u										

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:40	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:40	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:40	SA



Sample Information

Client Sample ID: 016/LSB-16B

York Sample ID: 18E0411-16

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 11:50 am	<u>Date Received</u> 05/08/2018
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Polychlorinated Biphenyls (PCB), 8082 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
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:40	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:40	SA
11097-69-1	Aroclor 1254	0.151		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:40	SA
11096-82-5	Aroclor 1260	0.0635		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:40	SA
1336-36-3	* Total PCBs	0.215		mg/kg dry	0.0182	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 17:40	SA
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	99.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	52.2 %	30-120							

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	6760		mg/kg dry	5.49	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-36-0	Antimony	ND		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-39-3	Barium	63.7		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-41-7	Beryllium	0.294		mg/kg dry	0.110	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.330	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-70-2	Calcium	6060		mg/kg dry	5.49	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-47-3	Chromium	14.3		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-48-4	Cobalt	5.57		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-50-8	Copper	22.0		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7439-89-6	Iron	15800		mg/kg dry	2.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7439-92-1	Lead	98.6		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML



Sample Information

Client Sample ID: 016/LSB-16B

York Sample ID: 18E0411-16

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 11:50 am	<u>Date Received</u> 05/08/2018
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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
7439-95-4	Magnesium	2750		mg/kg dry	5.49	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7439-96-5	Manganese	226		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-02-0	Nickel	20.6		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-09-7	Potassium	748		mg/kg dry	5.49	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7782-49-2	Selenium	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-22-4	Silver	ND		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-23-5	Sodium	143		mg/kg dry	11.0	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-28-0	Thallium	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-62-2	Vanadium	19.7		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-66-6	Zinc	88.1		mg/kg dry	1.65	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML

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	0.0840		mg/kg dry	0.0330	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 13:14	SY

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	91.0		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	TAJ

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	0.549	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM



Sample Information

Client Sample ID: 016/LSB-16B

York Sample ID: 18E0411-16

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 18E0411, 100688801, Soil, May 8, 2018 11:50 am, 05/08/2018

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 16065-83-1, * Chromium, Trivalent, 14.3, mg/kg, 0.500, 1, Calculation, 05/15/2018 13:32, 05/15/2018 14:57, PAM

Sample Information

Client Sample ID: 019/LSB-19A

York Sample ID: 18E0411-19

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 18E0411, 100688801, Soil, May 8, 2018 1:10 pm, 05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Multiple rows for various compounds like 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, etc.



Sample Information

Client Sample ID: 019/LSB-19A

York Sample ID: 18E0411-19

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 1:10 pm	<u>Date Received</u> 05/08/2018
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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
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	05/11/2018 07:30	05/11/2018 17:58	SS
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	05/11/2018 07:30	05/11/2018 17:58	SS
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	05/11/2018 07:30	05/11/2018 17:58	SS
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	05/11/2018 07:30	05/11/2018 17:58	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
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	05/11/2018 07:30	05/11/2018 17:58	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.057	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 17:58	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
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	05/11/2018 07:30	05/11/2018 17:58	SS
67-64-1	Acetone	0.011	SCAL-E	mg/kg dry	0.0057	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS



Sample Information

Client Sample ID: 019/LSB-19A

York Sample ID: 18E0411-19

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 1:10 pm	<u>Date Received</u> 05/08/2018
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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
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
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	05/11/2018 07:30	05/11/2018 17:58	SS
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	05/11/2018 07:30	05/11/2018 17:58	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
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	05/11/2018 07:30	05/11/2018 17:58	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
75-09-2	Methylene chloride	0.0062	SCAL-E, J	mg/kg dry	0.0057	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS



Sample Information

Client Sample ID: 019/LSB-19A

York Sample ID: 18E0411-19

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 1:10 pm	<u>Date Received</u> 05/08/2018
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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
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
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	05/11/2018 07:30	05/11/2018 17:58	SS
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	05/11/2018 07:30	05/11/2018 17:58	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:58	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0085	0.017	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 17:58	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %			77-125						
2037-26-5	Surrogate: Toluene-d8	103 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	103 %			76-130						

Semivolatiles, 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	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR



Sample Information

Client Sample ID: 019/LSB-19A

York Sample ID: 18E0411-19

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 1:10 pm	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
91-57-6	2-Methylnaphthalene	0.0608	J	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR



Sample Information

Client Sample ID: 019/LSB-19A

York Sample ID: 18E0411-19

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 1:10 pm	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
83-32-9	Acenaphthene	0.0473	J	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
208-96-8	Acenaphthylene	0.194		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
62-53-3	Aniline	ND		mg/kg dry	0.177	0.354	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
120-12-7	Anthracene	0.225		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
92-87-5	Benzidine	ND		mg/kg dry	0.177	0.354	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
56-55-3	Benzo(a)anthracene	0.787		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
50-32-8	Benzo(a)pyrene	0.928		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
205-99-2	Benzo(b)fluoranthene	0.700		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
191-24-2	Benzo(g,h,i)perylene	0.560		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
207-08-9	Benzo(k)fluoranthene	0.683		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
85-68-7	Benzyl butyl phthalate	0.0813	J	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.300		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR



Sample Information

Client Sample ID: 019/LSB-19A

York Sample ID: 18E0411-19

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 1:10 pm

05/08/2018

Semivolatiles, 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
86-74-8	Carbazole	0.0488	J	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
218-01-9	Chrysene	0.773		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
53-70-3	Dibenzo(a,h)anthracene	0.194	CCV-E	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
206-44-0	Fluoranthene	1.14		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
86-73-7	Fluorene	0.122		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.452	CCV-E	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
85-01-8	Phenanthrene	0.749		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR



Sample Information

Client Sample ID: 019/LSB-19A

York Sample ID: 18E0411-19

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 1:10 pm	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
108-95-2	Phenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
129-00-0	Pyrene	1.41		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
110-86-1	Pyridine	ND		mg/kg dry	0.177	0.354	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	39.3 %	20-108								
4165-62-2	Surrogate: Phenol-d5	43.8 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	48.7 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	42.6 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	68.1 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	46.5 %	24-116								

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	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
50-29-3	4,4'-DDT	0.0117		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
5103-71-9	alpha-Chlordane	0.0121	GC-P	mg/kg dry	0.00174	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 15:33	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0349	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
60-57-1	Dieldrin	0.00559	GC-P	mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 15:33	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA



Sample Information

Client Sample ID: 019/LSB-19A

York Sample ID: 18E0411-19

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 1:10 pm	<u>Date Received</u> 05/08/2018
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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
72-20-8	Endrin	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
5566-34-7	gamma-Chlordane	0.00938	GC-P	mg/kg dry	0.00174	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 15:33	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00871	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0882	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	91.1 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	25.4 %	GC-SC u	30-150						

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:18	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:18	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:18	SA
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:18	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:18	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:18	SA
11096-82-5	Aroclor 1260	0.0353		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:18	SA
1336-36-3	* Total PCBs	0.0353		mg/kg dry	0.0176	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 18:18	SA
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	90.6 %		30-120						



Sample Information

Client Sample ID: 019/LSB-19A

York Sample ID: 18E0411-19

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 1:10 pm	<u>Date Received</u> 05/08/2018
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Polychlorinated Biphenyls (PCB), 8082 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
2051-24-3	Surrogate: Decachlorobiphenyl	70.8 %			30-120					

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	6350		mg/kg dry	5.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-36-0	Antimony	ND		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-38-2	Arsenic	3.73		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-39-3	Barium	305		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-41-7	Beryllium	0.321		mg/kg dry	0.106	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-43-9	Cadmium	1.17		mg/kg dry	0.319	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-70-2	Calcium	19300		mg/kg dry	5.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-47-3	Chromium	20.9		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-48-4	Cobalt	6.74		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-50-8	Copper	104		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7439-89-6	Iron	19100		mg/kg dry	2.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7439-92-1	Lead	426		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7439-95-4	Magnesium	7500		mg/kg dry	5.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7439-96-5	Manganese	246		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-02-0	Nickel	24.6		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-09-7	Potassium	639		mg/kg dry	5.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7782-49-2	Selenium	ND		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-22-4	Silver	ND		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML



Sample Information

Client Sample ID: 019/LSB-19A

York Sample ID: 18E0411-19

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 1:10 pm	<u>Date Received</u> 05/08/2018
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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
7440-23-5	Sodium	170		mg/kg dry	10.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-28-0	Thallium	ND		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-62-2	Vanadium	22.9		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-66-6	Zinc	414		mg/kg dry	1.59	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML

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	0.505		mg/kg dry	0.0319	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 14:13	SY

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	94.1		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	TAJ

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	0.531	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM

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	20.9		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM



Sample Information

Client Sample ID: 020/LSB-19B

York Sample ID: 18E0411-20

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 2:00 pm	<u>Date Received</u> 05/08/2018
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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	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 18:30	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 18:30	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 18:30	SS



Sample Information

Client Sample ID: 020/LSB-19B

York Sample ID: 18E0411-20

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 2:00 pm	<u>Date Received</u> 05/08/2018
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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
78-93-3	2-Butanone	0.0080		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
67-64-1	Acetone	0.040	SCAL-E	mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS



Sample Information

Client Sample ID: 020/LSB-19B

York Sample ID: 18E0411-20

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 2:00 pm

05/08/2018

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
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.010	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS



Sample Information

Client Sample ID: 020/LSB-19B

York Sample ID: 18E0411-20

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 2:00 pm	<u>Date Received</u> 05/08/2018
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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
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0078	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 18:30	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %			77-125						
2037-26-5	Surrogate: Toluene-d8	102 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	103 %			76-130						

Semivolatiles, 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	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR



Sample Information

Client Sample ID: 020/LSB-19B

York Sample ID: 18E0411-20

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 2:00 pm	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
208-96-8	Acenaphthylene	0.0977		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
62-53-3	Aniline	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
120-12-7	Anthracene	0.200		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR



Sample Information

Client Sample ID: 020/LSB-19B

York Sample ID: 18E0411-20

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 2:00 pm

05/08/2018

Semivolatiles, 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
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
92-87-5	Benzidine	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
56-55-3	Benzo(a)anthracene	0.699		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
50-32-8	Benzo(a)pyrene	0.781		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
205-99-2	Benzo(b)fluoranthene	0.536		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
191-24-2	Benzo(g,h,i)perylene	0.376		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
207-08-9	Benzo(k)fluoranthene	0.563		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
85-68-7	Benzyl butyl phthalate	0.396		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.177		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
86-74-8	Carbazole	0.0529	J	mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
218-01-9	Chrysene	0.674		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
53-70-3	Dibenzo(a,h)anthracene	0.142	CCV-E	mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR



Sample Information

Client Sample ID: 020/LSB-19B

York Sample ID: 18E0411-20

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 2:00 pm	<u>Date Received</u> 05/08/2018
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Semivolatiles, 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
206-44-0	Fluoranthene	0.859		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
86-73-7	Fluorene	0.0843	J	mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.304	CCV-E	mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
85-01-8	Phenanthrene	0.555		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
108-95-2	Phenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
129-00-0	Pyrene	1.13		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
110-86-1	Pyridine	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: 2-Fluorophenol	52.3 %	20-108
4165-62-2	Surrogate: Phenol-d5	58.2 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	68.4 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	58.6 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	89.2 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	58.5 %	24-116



Sample Information

Client Sample ID: 020/LSB-19B

York Sample ID: 18E0411-20

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 2:00 pm	<u>Date Received</u> 05/08/2018
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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
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
50-29-3	4,4'-DDT	0.00444		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 15:47	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0370	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 15:47	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
72-20-8	Endrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 15:47	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00925	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0936	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: 020/LSB-19B

York Sample ID: 18E0411-20

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 2:00 pm	<u>Date Received</u> 05/08/2018
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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
2051-24-3	Surrogate: Decachlorobiphenyl	64.2 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	19.9 %	GC-SC		30-150					

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:31	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:31	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:31	SA
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:31	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:31	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:31	SA
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:31	SA
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 18:31	SA

Surrogate Recoveries

Result

Acceptance Range

877-09-8	Surrogate: Tetrachloro-m-xylene	98.5 %			30-120
2051-24-3	Surrogate: Decachlorobiphenyl	54.1 %			30-120

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	5750		mg/kg dry	5.61	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-36-0	Antimony	0.587		mg/kg dry	0.561	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-38-2	Arsenic	2.62		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-39-3	Barium	481		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-41-7	Beryllium	0.298		mg/kg dry	0.112	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML



Sample Information

Client Sample ID: 020/LSB-19B

York Sample ID: 18E0411-20

<u>York Project (SDG) No.</u> 18E0411	<u>Client Project ID</u> 100688801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 8, 2018 2:00 pm	<u>Date Received</u> 05/08/2018
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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
7440-43-9	Cadmium	0.720		mg/kg dry	0.337	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-70-2	Calcium	18600		mg/kg dry	5.61	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-47-3	Chromium	23.9		mg/kg dry	0.561	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-48-4	Cobalt	5.54		mg/kg dry	0.561	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-50-8	Copper	120		mg/kg dry	0.561	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7439-89-6	Iron	17400		mg/kg dry	2.25	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7439-92-1	Lead	288		mg/kg dry	0.561	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7439-95-4	Magnesium	4150		mg/kg dry	5.61	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7439-96-5	Manganese	221		mg/kg dry	0.561	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-02-0	Nickel	21.0		mg/kg dry	0.561	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-09-7	Potassium	654		mg/kg dry	5.61	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7782-49-2	Selenium	ND		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-22-4	Silver	ND		mg/kg dry	0.561	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-23-5	Sodium	272		mg/kg dry	11.2	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-28-0	Thallium	ND		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-62-2	Vanadium	17.8		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-66-6	Zinc	235		mg/kg dry	1.68	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML

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	0.256		mg/kg dry	0.0337	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 14:25	SY



Sample Information

Client Sample ID: 020/LSB-19B

York Sample ID: 18E0411-20

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 2:00 pm

05/08/2018

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	89.1		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	TAJ

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	0.561	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM

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	23.9		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM



Analytical Batch Summary

Batch ID: BE80466 **Preparation Method:** EPA 7473 soil **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-05	005/LSB-15A	05/09/18
18E0411-06	006/LSB-15B	05/09/18
18E0411-07	007/LSB-17A	05/09/18
18E0411-08	008/LSB-17B	05/09/18
18E0411-09	009/LSB-20A	05/09/18
18E0411-10	010/LSB-20B	05/09/18
18E0411-11	011/LSB-18A	05/09/18
18E0411-12	012/LSB-18B	05/09/18
18E0411-14	014/LSB-16A	05/09/18
18E0411-15	015/DUP-1	05/09/18
18E0411-16	016/LSB-16B	05/09/18
18E0411-19	019/LSB-19A	05/09/18
18E0411-20	020/LSB-19B	05/09/18
BE80466-BLK1	Blank	05/09/18
BE80466-SRM1	Reference	05/09/18

Batch ID: BE80470 **Preparation Method:** EPA 3050B **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-05	005/LSB-15A	05/09/18
18E0411-06	006/LSB-15B	05/09/18
18E0411-07	007/LSB-17A	05/09/18
18E0411-08	008/LSB-17B	05/09/18
18E0411-08RE1	008/LSB-17B	05/09/18
18E0411-09	009/LSB-20A	05/09/18
18E0411-10	010/LSB-20B	05/09/18
18E0411-11	011/LSB-18A	05/09/18
18E0411-12	012/LSB-18B	05/09/18
18E0411-14	014/LSB-16A	05/09/18
18E0411-15	015/DUP-1	05/09/18
18E0411-16	016/LSB-16B	05/09/18
18E0411-19	019/LSB-19A	05/09/18
18E0411-20	020/LSB-19B	05/09/18
BE80470-BLK1	Blank	05/09/18
BE80470-SRM1	Reference	05/09/18

Batch ID: BE80475 **Preparation Method:** EPA SW846-3060 **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-05	005/LSB-15A	05/09/18
18E0411-06	006/LSB-15B	05/09/18
18E0411-07	007/LSB-17A	05/09/18
18E0411-08	008/LSB-17B	05/09/18
18E0411-09	009/LSB-20A	05/09/18
18E0411-10	010/LSB-20B	05/09/18



18E0411-11	011/LSB-18A	05/09/18
18E0411-12	012/LSB-18B	05/09/18
18E0411-14	014/LSB-16A	05/09/18
18E0411-15	015/DUP-1	05/09/18
18E0411-16	016/LSB-16B	05/09/18
18E0411-19	019/LSB-19A	05/09/18
18E0411-20	020/LSB-19B	05/09/18
BE80475-BLK1	Blank	05/09/18
BE80475-DUP1	Duplicate	05/09/18
BE80475-MS1	Matrix Spike	05/09/18
BE80475-SRM1	Reference	05/09/18

Batch ID: BE80566 **Preparation Method:** EPA 3550C **Prepared By:** MAT

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-05	005/LSB-15A	05/10/18
18E0411-05RE1	005/LSB-15A	05/10/18
18E0411-05RE2	005/LSB-15A	05/10/18
18E0411-06	006/LSB-15B	05/10/18
18E0411-06RE1	006/LSB-15B	05/10/18
18E0411-07	007/LSB-17A	05/10/18
18E0411-07RE1	007/LSB-17A	05/10/18
18E0411-07RE2	007/LSB-17A	05/10/18
18E0411-08	008/LSB-17B	05/10/18
18E0411-09	009/LSB-20A	05/10/18
18E0411-10	010/LSB-20B	05/10/18
18E0411-11	011/LSB-18A	05/10/18
18E0411-12	012/LSB-18B	05/10/18
18E0411-14	014/LSB-16A	05/10/18
18E0411-15	015/DUP-1	05/10/18
18E0411-15RE1	015/DUP-1	05/10/18
18E0411-16	016/LSB-16B	05/10/18
18E0411-19	019/LSB-19A	05/10/18
18E0411-20	020/LSB-19B	05/10/18
BE80566-BLK1	Blank	05/10/18
BE80566-BS1	LCS	05/10/18
BE80566-MS1	Matrix Spike	05/10/18
BE80566-MSD1	Matrix Spike Dup	05/10/18

Batch ID: BE80568 **Preparation Method:** EPA 3550C **Prepared By:** MAT

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-05	005/LSB-15A	05/10/18
18E0411-05	005/LSB-15A	05/10/18
18E0411-06	006/LSB-15B	05/10/18
18E0411-06	006/LSB-15B	05/10/18
18E0411-07	007/LSB-17A	05/10/18
18E0411-07	007/LSB-17A	05/10/18
18E0411-08	008/LSB-17B	05/10/18
18E0411-08	008/LSB-17B	05/10/18
18E0411-09	009/LSB-20A	05/10/18



18E0411-09	009/LSB-20A	05/10/18
18E0411-10	010/LSB-20B	05/10/18
18E0411-10	010/LSB-20B	05/10/18
18E0411-11	011/LSB-18A	05/10/18
18E0411-11	011/LSB-18A	05/10/18
18E0411-12	012/LSB-18B	05/10/18
18E0411-12	012/LSB-18B	05/10/18
18E0411-14	014/LSB-16A	05/10/18
18E0411-14	014/LSB-16A	05/10/18
18E0411-15	015/DUP-1	05/10/18
18E0411-15	015/DUP-1	05/10/18
18E0411-16	016/LSB-16B	05/10/18
18E0411-16	016/LSB-16B	05/10/18
18E0411-19	019/LSB-19A	05/10/18
18E0411-19	019/LSB-19A	05/10/18
18E0411-20	020/LSB-19B	05/10/18
18E0411-20	020/LSB-19B	05/10/18
BE80568-BLK1	Blank	05/10/18
BE80568-BLK2	Blank	05/10/18
BE80568-BS1	LCS	05/10/18
BE80568-BS2	LCS	05/10/18
BE80568-MS1	Matrix Spike	05/10/18
BE80568-MS2	Matrix Spike	05/10/18
BE80568-MSD1	Matrix Spike Dup	05/10/18
BE80568-MSD2	Matrix Spike Dup	05/10/18

Batch ID: BE80598 **Preparation Method:** EPA 5035A **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-05	005/LSB-15A	05/11/18
18E0411-06	006/LSB-15B	05/11/18
18E0411-07	007/LSB-17A	05/11/18
18E0411-08	008/LSB-17B	05/11/18
18E0411-09	009/LSB-20A	05/11/18
18E0411-10	010/LSB-20B	05/11/18
18E0411-11	011/LSB-18A	05/11/18
18E0411-12	012/LSB-18B	05/11/18
18E0411-14	014/LSB-16A	05/11/18
18E0411-15	015/DUP-1	05/11/18
18E0411-16	016/LSB-16B	05/11/18
18E0411-19	019/LSB-19A	05/11/18
18E0411-20	020/LSB-19B	05/11/18
BE80598-BLK1	Blank	05/11/18
BE80598-BS1	LCS	05/11/18
BE80598-BSD1	LCS Dup	05/11/18

Batch ID: BE80730 **Preparation Method:** % Solids Prep **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-05	005/LSB-15A	05/14/18
18E0411-06	006/LSB-15B	05/14/18



18E0411-07	007/LSB-17A	05/14/18
18E0411-08	008/LSB-17B	05/14/18
18E0411-09	009/LSB-20A	05/14/18
18E0411-10	010/LSB-20B	05/14/18
18E0411-11	011/LSB-18A	05/14/18
18E0411-12	012/LSB-18B	05/14/18
18E0411-14	014/LSB-16A	05/14/18
18E0411-15	015/DUP-1	05/14/18
18E0411-16	016/LSB-16B	05/14/18
18E0411-19	019/LSB-19A	05/14/18
18E0411-20	020/LSB-19B	05/14/18
BE80730-DUP1	Duplicate	05/14/18

Batch ID: BE80795 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-05	005/LSB-15A	05/15/18
18E0411-06	006/LSB-15B	05/15/18
18E0411-07	007/LSB-17A	05/15/18
18E0411-08	008/LSB-17B	05/15/18
18E0411-09	009/LSB-20A	05/15/18
18E0411-10	010/LSB-20B	05/15/18
18E0411-11	011/LSB-18A	05/15/18
18E0411-12	012/LSB-18B	05/15/18
18E0411-14	014/LSB-16A	05/15/18
18E0411-15	015/DUP-1	05/15/18
18E0411-16	016/LSB-16B	05/15/18
18E0411-19	019/LSB-19A	05/15/18
18E0411-20	020/LSB-19B	05/15/18



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80598 - EPA 5035A

Blank (BE80598-BLK1)

Prepared & Analyzed: 05/11/2018

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	"								
1,1-Dichloropropylene	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	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	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	"								
Bromobenzene	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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80598 - EPA 5035A

Blank (BE80598-BLK1)

Prepared & Analyzed: 05/11/2018

Hexachlorobutadiene	ND	0.0050	mg/kg wet								
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	0.010	"								
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: 1,2-Dichloroethane-d4	51.0		ug/L	50.0		102	77-125				
Surrogate: Toluene-d8	51.6		"	50.0		103	85-120				
Surrogate: p-Bromofluorobenzene	50.3		"	50.0		101	76-130				

LCS (BE80598-BS1)

Prepared & Analyzed: 05/11/2018

1,1,1,2-Tetrachloroethane	39.9		ug/L	50.0		79.9	75-129			30	
1,1,1-Trichloroethane	38.0		"	50.0		76.0	70-130			30	
1,1,2,2-Tetrachloroethane	42.9		"	50.0		85.7	70-130			30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	43.5		"	50.0		87.0	70-130			30	
1,1,2-Trichloroethane	39.4		"	50.0		78.9	70-130			30	
1,1-Dichloroethane	39.8		"	50.0		79.6	70-130			30	
1,1-Dichloroethylene	44.8		"	50.0		89.5	70-130			30	
1,1-Dichloropropylene	39.0		"	50.0		78.0	77-127			30	
1,2,3-Trichlorobenzene	41.3		"	50.0		82.6	70-130			30	
1,2,3-Trichloropropane	41.0		"	50.0		81.9	81-126			30	
1,2,4-Trichlorobenzene	41.2		"	50.0		82.3	70-130			30	
1,2,4-Trimethylbenzene	40.4		"	50.0		80.7	84-125	Low Bias		30	
1,2-Dibromo-3-chloropropane	43.7		"	50.0		87.5	40-160			30	
1,2-Dibromoethane	39.8		"	50.0		79.5	70-130			30	
1,2-Dichlorobenzene	40.3		"	50.0		80.5	70-130			30	
1,2-Dichloroethane	38.8		"	50.0		77.6	70-130			30	
1,2-Dichloropropane	41.9		"	50.0		83.7	70-130			30	
1,3,5-Trimethylbenzene	39.7		"	50.0		79.3	82-126	Low Bias		30	
1,3-Dichlorobenzene	41.0		"	50.0		82.0	70-130			30	
1,3-Dichloropropane	40.3		"	50.0		80.5	83-123	Low Bias		30	
1,4-Dichlorobenzene	39.8		"	50.0		79.7	70-130			30	
1,4-Dioxane	1190		"	1050		113	40-160			30	
2,2-Dichloropropane	40.6		"	50.0		81.2	67-136			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 BE80598 - EPA 5035A											
LCS (BE80598-BS1)											
Prepared & Analyzed: 05/11/2018											
2-Butanone	42.0		ug/L	50.0		84.0	40-160				30
2-Chlorotoluene	39.9		"	50.0		79.8	78-127				30
2-Hexanone	41.8		"	50.0		83.6	40-160				30
4-Chlorotoluene	39.6		"	50.0		79.2	79-125				30
4-Methyl-2-pentanone	41.8		"	50.0		83.7	40-160				30
Acetone	34.5		"	50.0		69.0	40-160				30
Acrolein	40.1		"	50.0		80.1	10-238				30
Acrylonitrile	42.5		"	50.0		85.0	66-141				30
Benzene	38.2		"	50.0		76.5	70-130				30
Bromobenzene	41.3		"	50.0		82.7	77-129				30
Bromochloromethane	39.8		"	50.0		79.7	70-130				30
Bromodichloromethane	41.6		"	50.0		83.2	70-130				30
Bromoform	41.7		"	50.0		83.4	70-130				30
Bromomethane	47.2		"	50.0		94.3	40-160				30
Carbon disulfide	47.9		"	50.0		95.7	40-160				30
Carbon tetrachloride	39.3		"	50.0		78.6	70-130				30
Chlorobenzene	38.6		"	50.0		77.2	70-130				30
Chloroethane	52.4		"	50.0		105	51-142				30
Chloroform	39.8		"	50.0		79.5	70-130				30
Chloromethane	48.1		"	50.0		96.2	49-132				30
cis-1,2-Dichloroethylene	37.8		"	50.0		75.6	70-130				30
cis-1,3-Dichloropropylene	39.3		"	50.0		78.6	70-130				30
Cyclohexane	40.9		"	50.0		81.7	70-130				30
Dibromochloromethane	40.3		"	50.0		80.6	70-130				30
Dibromomethane	39.4		"	50.0		78.8	83-124	Low Bias			30
Dichlorodifluoromethane	55.6		"	50.0		111	40-160				30
Ethyl Benzene	39.5		"	50.0		79.0	70-130				30
Hexachlorobutadiene	45.6		"	50.0		91.1	83-133				30
Isopropylbenzene	39.4		"	50.0		78.8	70-130				30
Methyl acetate	40.9		"	50.0		81.8	70-130				30
Methyl tert-butyl ether (MTBE)	41.2		"	50.0		82.4	70-130				30
Methylcyclohexane	40.5		"	50.0		81.0	70-130				30
Methylene chloride	35.1		"	50.0		70.3	70-130				30
n-Butylbenzene	40.5		"	50.0		81.0	80-130				30
n-Propylbenzene	39.3		"	50.0		78.7	74-136				30
o-Xylene	39.9		"	50.0		79.9	70-130				30
p- & m- Xylenes	78.6		"	100		78.6	70-130				30
p-Isopropyltoluene	40.3		"	50.0		80.6	85-125	Low Bias			30
sec-Butylbenzene	42.3		"	50.0		84.6	83-125				30
Styrene	38.4		"	50.0		76.7	70-130				30
tert-Butyl alcohol (TBA)	238		"	250		95.3	70-130				30
tert-Butylbenzene	40.0		"	50.0		80.1	80-127				30
Tetrachloroethylene	38.7		"	50.0		77.3	70-130				30
Toluene	38.8		"	50.0		77.5	70-130				30
trans-1,2-Dichloroethylene	39.8		"	50.0		79.6	70-130				30
trans-1,3-Dichloropropylene	40.1		"	50.0		80.2	70-130				30
Trichloroethylene	39.8		"	50.0		79.6	70-130				30
Trichlorofluoromethane	46.8		"	50.0		93.5	40-160				30
Vinyl Chloride	53.2		"	50.0		106	70-130				30
Surrogate: 1,2-Dichloroethane-d4	52.0		"	50.0		104	77-125				
Surrogate: Toluene-d8	50.1		"	50.0		100	85-120				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	RPD	RPD	RPD	
		Limit								Units	Level	Result	Limits	Flag	Limit	Flag
Batch BE80598 - EPA 5035A										
LCS (BE80598-BS1)						Prepared & Analyzed: 05/11/2018				
<i>Surrogate: p-Bromofluorobenzene</i>	49.7		ug/L	50.0		99.4	76-130			
LCS Dup (BE80598-BSD1)						Prepared & Analyzed: 05/11/2018				
1,1,1,2-Tetrachloroethane	46.6		ug/L	50.0		93.1	75-129		15.3	30
1,1,1-Trichloroethane	43.4		"	50.0		86.7	70-130		13.2	30
1,1,2,2-Tetrachloroethane	47.6		"	50.0		95.3	70-130		10.6	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.8		"	50.0		99.5	70-130		13.5	30
1,1,2-Trichloroethane	45.4		"	50.0		90.8	70-130		14.0	30
1,1-Dichloroethane	46.4		"	50.0		92.7	70-130		15.2	30
1,1-Dichloroethylene	50.6		"	50.0		101	70-130		12.2	30
1,1-Dichloropropylene	45.1		"	50.0		90.2	77-127		14.5	30
1,2,3-Trichlorobenzene	47.1		"	50.0		94.2	70-130		13.1	30
1,2,3-Trichloropropane	46.2		"	50.0		92.5	81-126		12.1	30
1,2,4-Trichlorobenzene	46.7		"	50.0		93.3	70-130		12.5	30
1,2,4-Trimethylbenzene	45.5		"	50.0		91.0	84-125		12.0	30
1,2-Dibromo-3-chloropropane	47.8		"	50.0		95.5	40-160		8.81	30
1,2-Dibromoethane	46.5		"	50.0		93.0	70-130		15.6	30
1,2-Dichlorobenzene	47.0		"	50.0		94.1	70-130		15.5	30
1,2-Dichloroethane	44.8		"	50.0		89.6	70-130		14.3	30
1,2-Dichloropropane	48.4		"	50.0		96.9	70-130		14.6	30
1,3,5-Trimethylbenzene	45.0		"	50.0		89.9	82-126		12.5	30
1,3-Dichlorobenzene	47.2		"	50.0		94.4	70-130		14.1	30
1,3-Dichloropropane	47.5		"	50.0		94.9	83-123		16.4	30
1,4-Dichlorobenzene	46.8		"	50.0		93.6	70-130		16.0	30
1,4-Dioxane	1190		"	1050		113	40-160		0.0640	30
2,2-Dichloropropane	46.3		"	50.0		92.6	67-136		13.1	30
2-Butanone	46.8		"	50.0		93.5	40-160		10.7	30
2-Chlorotoluene	45.2		"	50.0		90.3	78-127		12.4	30
2-Hexanone	48.8		"	50.0		97.7	40-160		15.5	30
4-Chlorotoluene	44.3		"	50.0		88.6	79-125		11.2	30
4-Methyl-2-pentanone	48.2		"	50.0		96.3	40-160		14.0	30
Acetone	39.8		"	50.0		79.6	40-160		14.2	30
Acrolein	46.4		"	50.0		92.8	10-238		14.6	30
Acrylonitrile	47.8		"	50.0		95.6	66-141		11.7	30
Benzene	43.8		"	50.0		87.6	70-130		13.5	30
Bromobenzene	46.7		"	50.0		93.4	77-129		12.2	30
Bromochloromethane	45.6		"	50.0		91.2	70-130		13.5	30
Bromodichloromethane	48.6		"	50.0		97.2	70-130		15.4	30
Bromoform	47.1		"	50.0		94.2	70-130		12.2	30
Bromomethane	54.1		"	50.0		108	40-160		13.7	30
Carbon disulfide	54.2		"	50.0		108	40-160		12.4	30
Carbon tetrachloride	45.0		"	50.0		90.0	70-130		13.6	30
Chlorobenzene	44.3		"	50.0		88.5	70-130		13.7	30
Chloroethane	59.7		"	50.0		119	51-142		12.9	30
Chloroform	45.8		"	50.0		91.7	70-130		14.2	30
Chloromethane	53.7		"	50.0		107	49-132		11.0	30
cis-1,2-Dichloroethylene	43.5		"	50.0		86.9	70-130		13.9	30
cis-1,3-Dichloropropylene	46.1		"	50.0		92.2	70-130		15.9	30
Cyclohexane	46.9		"	50.0		93.8	70-130		13.8	30
Dibromochloromethane	47.5		"	50.0		95.0	70-130		16.4	30
Dibromomethane	45.9		"	50.0		91.9	83-124		15.3	30



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80598 - EPA 5035A

LCS Dup (BE80598-BSD1)

Prepared & Analyzed: 05/11/2018

Dichlorodifluoromethane	62.6		ug/L	50.0		125	40-160		11.8	30	
Ethyl Benzene	45.2		"	50.0		90.5	70-130		13.5	30	
Hexachlorobutadiene	50.7		"	50.0		101	83-133		10.7	30	
Isopropylbenzene	44.2		"	50.0		88.3	70-130		11.3	30	
Methyl acetate	45.9		"	50.0		91.9	70-130		11.6	30	
Methyl tert-butyl ether (MTBE)	47.4		"	50.0		94.9	70-130		14.1	30	
Methylcyclohexane	46.8		"	50.0		93.7	70-130		14.5	30	
Methylene chloride	39.9		"	50.0		79.8	70-130		12.7	30	
n-Butylbenzene	47.1		"	50.0		94.2	80-130		15.1	30	
n-Propylbenzene	44.6		"	50.0		89.3	74-136		12.7	30	
o-Xylene	45.8		"	50.0		91.6	70-130		13.7	30	
p- & m- Xylenes	90.6		"	100		90.6	70-130		14.2	30	
p-Isopropyltoluene	46.6		"	50.0		93.1	85-125		14.4	30	
sec-Butylbenzene	47.9		"	50.0		95.9	83-125		12.5	30	
Styrene	44.9		"	50.0		89.7	70-130		15.6	30	
tert-Butyl alcohol (TBA)	260		"	250		104	70-130		8.87	30	
tert-Butylbenzene	45.3		"	50.0		90.6	80-127		12.3	30	
Tetrachloroethylene	44.0		"	50.0		87.9	70-130		12.8	30	
Toluene	44.8		"	50.0		89.7	70-130		14.6	30	
trans-1,2-Dichloroethylene	45.2		"	50.0		90.4	70-130		12.6	30	
trans-1,3-Dichloropropylene	46.7		"	50.0		93.4	70-130		15.3	30	
Trichloroethylene	46.3		"	50.0		92.5	70-130		15.0	30	
Trichlorofluoromethane	53.9		"	50.0		108	40-160		14.2	30	
Vinyl Chloride	58.8		"	50.0		118	70-130		10.1	30	
Surrogate: 1,2-Dichloroethane-d4	51.2		"	50.0		102	77-125				
Surrogate: Toluene-d8	50.6		"	50.0		101	85-120				
Surrogate: p-Bromofluorobenzene	48.7		"	50.0		97.3	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
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Batch BE80566 - EPA 3550C

Blank (BE80566-BLK1)

Prepared: 05/10/2018 Analyzed: 05/11/2018

1,1-Biphenyl	ND	0.0417	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0833	"								
1,2,4-Trichlorobenzene	ND	0.0417	"								
1,2-Dichlorobenzene	ND	0.0417	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0417	"								
1,3-Dichlorobenzene	ND	0.0417	"								
1,4-Dichlorobenzene	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	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BE80566 - EPA 3550C

Blank (BE80566-BLK1)

Prepared: 05/10/2018 Analyzed: 05/11/2018

Caprolactam	ND	0.0833	mg/kg wet								
Carbazole	ND	0.0417	"								
Chrysene	ND	0.0417	"								
Dibenzo(a,h)anthracene	ND	0.0417	"								
Dibenzofuran	ND	0.0417	"								
Diethyl phthalate	ND	0.0417	"								
Dimethyl phthalate	ND	0.0417	"								
Di-n-butyl phthalate	ND	0.0417	"								
Di-n-octyl phthalate	ND	0.0417	"								
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	"								
<i>Surrogate: 2-Fluorophenol</i>	<i>0.836</i>		<i>"</i>	<i>1.29</i>		<i>64.9</i>		<i>20-108</i>			
<i>Surrogate: Phenol-d5</i>	<i>0.850</i>		<i>"</i>	<i>1.27</i>		<i>66.9</i>		<i>23-114</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>0.675</i>		<i>"</i>	<i>0.833</i>		<i>81.0</i>		<i>22-108</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.542</i>		<i>"</i>	<i>0.830</i>		<i>65.3</i>		<i>21-113</i>			
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>1.17</i>		<i>"</i>	<i>1.31</i>		<i>89.9</i>		<i>19-110</i>			
<i>Surrogate: Terphenyl-d14</i>	<i>0.511</i>		<i>"</i>	<i>0.837</i>		<i>61.1</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 BE80566 - EPA 3550C											
LCS (BE80566-BS1)										Prepared: 05/10/2018 Analyzed: 05/11/2018	
1,1-Biphenyl	0.658	0.0417	mg/kg wet	0.833		79.0	18-111				
1,2,4,5-Tetrachlorobenzene	0.653	0.0833	"	0.833		78.3	21-131				
1,2,4-Trichlorobenzene	0.690	0.0417	"	0.833		82.8	10-140				
1,2-Dichlorobenzene	0.592	0.0417	"	0.833		71.0	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.207	0.0417	"	0.833		24.8	17-137				
1,3-Dichlorobenzene	0.585	0.0417	"	0.833		70.2	33-110				
1,4-Dichlorobenzene	0.581	0.0417	"	0.833		69.7	32-104				
2,3,4,6-Tetrachlorophenol	1.66	0.0833	"	0.833		199	30-130	High Bias			
2,4,5-Trichlorophenol	0.735	0.0417	"	0.833		88.2	27-118				
2,4,6-Trichlorophenol	0.707	0.0417	"	0.833		84.8	31-120				
2,4-Dichlorophenol	0.721	0.0417	"	0.833		86.5	20-127				
2,4-Dimethylphenol	0.701	0.0417	"	0.833		84.1	14-132				
2,4-Dinitrophenol	1.07	0.0833	"	0.833		128	10-171				
2,4-Dinitrotoluene	1.10	0.0417	"	0.833		132	34-131	High Bias			
2,6-Dinitrotoluene	1.05	0.0417	"	0.833		126	31-128				
2-Chloronaphthalene	0.644	0.0417	"	0.833		77.3	31-117				
2-Chlorophenol	0.626	0.0417	"	0.833		75.1	33-113				
2-Methylnaphthalene	0.719	0.0417	"	0.833		86.2	12-138				
2-Methylphenol	0.641	0.0417	"	0.833		77.0	10-136				
2-Nitroaniline	0.873	0.0833	"	0.833		105	27-132				
2-Nitrophenol	0.852	0.0417	"	0.833		102	17-129				
3- & 4-Methylphenols	0.572	0.0417	"	0.833		68.7	29-103				
3,3-Dichlorobenzidine	0.678	0.0417	"	0.833		81.4	22-149				
3-Nitroaniline	0.686	0.0833	"	0.833		82.4	20-133				
4,6-Dinitro-2-methylphenol	1.13	0.0833	"	0.833		136	10-143				
4-Bromophenyl phenyl ether	0.702	0.0417	"	0.833		84.2	29-120				
4-Chloro-3-methylphenol	0.722	0.0417	"	0.833		86.6	24-129				
4-Chloroaniline	0.444	0.0417	"	0.833		53.3	10-132				
4-Chlorophenyl phenyl ether	0.695	0.0417	"	0.833		83.4	27-124				
4-Nitroaniline	0.838	0.0833	"	0.833		101	16-128				
4-Nitrophenol	0.696	0.0833	"	0.833		83.5	10-141				
Acenaphthene	0.601	0.0417	"	0.833		72.1	30-121				
Acenaphthylene	0.650	0.0417	"	0.833		78.0	30-115				
Acetophenone	0.603	0.0417	"	0.833		72.3	20-112				
Aniline	0.408	0.167	"	0.833		49.0	10-119				
Anthracene	0.675	0.0417	"	0.833		81.0	34-118				
Atrazine	0.791	0.0417	"	0.833		94.9	26-112				
Benzaldehyde	0.623	0.0417	"	0.833		74.8	21-100				
Benzo(a)anthracene	0.766	0.0417	"	0.833		91.9	32-122				
Benzo(a)pyrene	0.733	0.0417	"	0.833		87.9	29-133				
Benzo(b)fluoranthene	0.722	0.0417	"	0.833		86.7	25-133				
Benzo(g,h,i)perylene	0.767	0.0417	"	0.833		92.1	10-143				
Benzo(k)fluoranthene	0.687	0.0417	"	0.833		82.4	25-128				
Benzoic acid	0.129	0.0417	"	0.847		15.2	10-140				
Benzyl alcohol	0.600	0.0417	"	0.833		72.0	30-115				
Benzyl butyl phthalate	0.846	0.0417	"	0.833		102	26-126				
Bis(2-chloroethoxy)methane	0.615	0.0417	"	0.833		73.8	19-132				
Bis(2-chloroethyl)ether	0.581	0.0417	"	0.833		69.7	19-125				
Bis(2-chloroisopropyl)ether	0.565	0.0417	"	0.833		67.8	20-135				
Bis(2-ethylhexyl)phthalate	0.802	0.0417	"	0.833		96.2	10-155				
Caprolactam	0.785	0.0833	"	0.833		94.2	10-127				



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
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Batch BE80566 - EPA 3550C

LCS (BE80566-BS1)

Prepared: 05/10/2018 Analyzed: 05/11/2018

Carbazole	0.682	0.0417	mg/kg wet	0.833		81.8	35-123				
Chrysene	0.691	0.0417	"	0.833		82.9	32-123				
Dibenzo(a,h)anthracene	0.717	0.0417	"	0.833		86.0	10-136				
Dibenzofuran	0.652	0.0417	"	0.833		78.2	29-121				
Diethyl phthalate	0.717	0.0417	"	0.833		86.0	34-116				
Dimethyl phthalate	0.701	0.0417	"	0.833		84.2	35-124				
Di-n-butyl phthalate	0.731	0.0417	"	0.833		87.8	31-116				
Di-n-octyl phthalate	0.839	0.0417	"	0.833		101	26-136				
Fluoranthene	0.711	0.0417	"	0.833		85.4	33-122				
Fluorene	0.674	0.0417	"	0.833		80.9	29-123				
Hexachlorobenzene	0.678	0.0417	"	0.833		81.4	21-124				
Hexachlorobutadiene	0.749	0.0417	"	0.833		89.9	10-149				
Hexachlorocyclopentadiene	0.616	0.0417	"	0.833		73.9	10-129				
Hexachloroethane	0.621	0.0417	"	0.833		74.5	28-108				
Indeno(1,2,3-cd)pyrene	0.735	0.0417	"	0.833		88.2	10-135				
Isophorone	0.663	0.0417	"	0.833		79.5	20-132				
Naphthalene	0.652	0.0417	"	0.833		78.2	23-124				
Nitrobenzene	0.690	0.0417	"	0.833		82.8	13-132				
N-Nitrosodimethylamine	0.534	0.0417	"	0.833		64.1	11-129				
N-nitroso-di-n-propylamine	0.577	0.0417	"	0.833		69.2	24-119				
N-Nitrosodiphenylamine	0.760	0.0417	"	0.833		91.2	22-152				
Pentachlorophenol	0.527	0.0417	"	0.833		63.2	10-139				
Phenanthrene	0.663	0.0417	"	0.833		79.5	33-123				
Phenol	0.643	0.0417	"	0.833		77.2	23-115				
Pyrene	0.706	0.0417	"	0.833		84.7	32-130				
Pyridine	0.438	0.167	"	0.833		52.6	10-91				
<i>Surrogate: 2-Fluorophenol</i>	<i>0.930</i>		<i>"</i>	<i>1.29</i>		<i>72.2</i>	<i>20-108</i>				
<i>Surrogate: Phenol-d5</i>	<i>0.959</i>		<i>"</i>	<i>1.27</i>		<i>75.5</i>	<i>23-114</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>0.730</i>		<i>"</i>	<i>0.833</i>		<i>87.6</i>	<i>22-108</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.621</i>		<i>"</i>	<i>0.830</i>		<i>74.8</i>	<i>21-113</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>1.33</i>		<i>"</i>	<i>1.31</i>		<i>102</i>	<i>19-110</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>0.572</i>		<i>"</i>	<i>0.837</i>		<i>68.3</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 BE80566 - EPA 3550C											
Matrix Spike (BE80566-MS1)	*Source sample: 18E0411-11 (011/LSB-18A)						Prepared: 05/10/2018 Analyzed: 05/11/2018				
1,1-Biphenyl	0.446	0.0892	mg/kg dry	0.891	ND	50.1	10-130				
1,2,4,5-Tetrachlorobenzene	0.486	0.178	"	0.891	ND	54.5	10-133				
1,2,4-Trichlorobenzene	0.493	0.0892	"	0.891	ND	55.4	10-127				
1,2-Dichlorobenzene	0.405	0.0892	"	0.891	ND	45.4	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.274	0.0892	"	0.891	ND	30.8	10-144				
1,3-Dichlorobenzene	0.378	0.0892	"	0.891	ND	42.4	11-111				
1,4-Dichlorobenzene	0.371	0.0892	"	0.891	ND	41.6	10-106				
2,3,4,6-Tetrachlorophenol	1.24	0.178	"	0.891	ND	139	30-130	High Bias			
2,4,5-Trichlorophenol	0.594	0.0892	"	0.891	ND	66.6	10-127				
2,4,6-Trichlorophenol	0.553	0.0892	"	0.891	ND	62.0	10-132				
2,4-Dichlorophenol	0.560	0.0892	"	0.891	ND	62.9	10-128				
2,4-Dimethylphenol	0.508	0.0892	"	0.891	ND	57.0	10-137				
2,4-Dinitrophenol	ND	0.178	"	0.891	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.759	0.0892	"	0.891	ND	85.2	16-135				
2,6-Dinitrotoluene	0.745	0.0892	"	0.891	ND	83.6	18-131				
2-Chloronaphthalene	0.476	0.0892	"	0.891	ND	53.4	10-129				
2-Chlorophenol	0.452	0.0892	"	0.891	ND	50.7	15-116				
2-Methylnaphthalene	0.546	0.0892	"	0.891	ND	61.3	10-147				
2-Methylphenol	0.505	0.0892	"	0.891	ND	56.7	10-136				
2-Nitroaniline	0.655	0.178	"	0.891	ND	73.4	10-137				
2-Nitrophenol	0.575	0.0892	"	0.891	ND	64.5	10-129				
3- & 4-Methylphenols	0.449	0.0892	"	0.891	ND	50.4	10-123				
3,3-Dichlorobenzidine	0.272	0.0892	"	0.891	ND	30.6	10-155				
3-Nitroaniline	0.538	0.178	"	0.891	ND	60.4	12-133				
4,6-Dinitro-2-methylphenol	ND	0.178	"	0.891	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.562	0.0892	"	0.891	ND	63.0	14-128				
4-Chloro-3-methylphenol	0.576	0.0892	"	0.891	ND	64.6	10-134				
4-Chloroaniline	0.362	0.0892	"	0.891	ND	40.6	10-145				
4-Chlorophenyl phenyl ether	0.534	0.0892	"	0.891	ND	59.9	14-130				
4-Nitroaniline	0.546	0.178	"	0.891	ND	61.3	10-147				
4-Nitrophenol	0.494	0.178	"	0.891	ND	55.4	10-137				
Acenaphthene	0.493	0.0892	"	0.891	ND	55.4	10-146				
Acenaphthylene	0.561	0.0892	"	0.891	0.0696	55.2	10-134				
Acetophenone	0.408	0.0892	"	0.891	ND	45.8	10-116				
Aniline	0.264	0.357	"	0.891	ND	29.6	10-123				
Anthracene	0.686	0.0892	"	0.891	0.130	62.4	10-142				
Atrazine	0.548	0.0892	"	0.891	ND	61.4	19-115				
Benzaldehyde	0.404	0.0892	"	0.891	ND	45.4	10-125				
Benzo(a)anthracene	1.29	0.0892	"	0.891	0.555	82.6	10-158				
Benzo(a)pyrene	1.26	0.0892	"	0.891	0.541	80.2	10-180				
Benzo(b)fluoranthene	1.16	0.0892	"	0.891	0.435	81.2	10-200				
Benzo(g,h,i)perylene	1.10	0.0892	"	0.891	0.405	77.8	10-138				
Benzo(k)fluoranthene	1.09	0.0892	"	0.891	0.445	72.0	10-197				
Benzoic acid	0.0506	0.0892	"	0.905	ND	5.59	10-166	Low Bias			
Benzyl alcohol	0.458	0.0892	"	0.891	ND	51.4	12-124				
Benzyl butyl phthalate	0.732	0.0892	"	0.891	0.0469	76.8	10-154				
Bis(2-chloroethoxy)methane	0.438	0.0892	"	0.891	ND	49.1	10-132				
Bis(2-chloroethyl)ether	0.441	0.0892	"	0.891	ND	49.5	10-119				
Bis(2-chloroisopropyl)ether	0.421	0.0892	"	0.891	ND	47.3	10-139				
Bis(2-ethylhexyl)phthalate	0.764	0.0892	"	0.891	0.0959	74.9	10-167				
Caprolactam	0.472	0.178	"	0.891	ND	53.0	10-132				



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
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Batch BE80566 - EPA 3550C

Matrix Spike (BE80566-MS1) *Source sample: 18E0411-11 (011/LSB-18A) Prepared: 05/10/2018 Analyzed: 05/11/2018

Carbazole	0.563	0.0892	mg/kg dry	0.891	ND	63.2	10-167				
Chrysene	1.23	0.0892	"	0.891	0.557	75.1	10-156				
Dibenzo(a,h)anthracene	0.784	0.0892	"	0.891	0.126	73.8	10-137				
Dibenzofuran	0.510	0.0892	"	0.891	ND	57.3	10-147				
Diethyl phthalate	0.513	0.0892	"	0.891	ND	57.6	20-120				
Dimethyl phthalate	0.492	0.0892	"	0.891	ND	55.2	18-131				
Di-n-butyl phthalate	0.565	0.0892	"	0.891	ND	63.4	10-137				
Di-n-octyl phthalate	0.670	0.0892	"	0.891	ND	75.2	10-180				
Fluoranthene	1.58	0.0892	"	0.891	0.925	73.5	10-160				
Fluorene	0.565	0.0892	"	0.891	ND	63.4	10-157				
Hexachlorobenzene	0.568	0.0892	"	0.891	ND	63.7	10-137				
Hexachlorobutadiene	0.548	0.0892	"	0.891	ND	61.4	10-132				
Hexachlorocyclopentadiene	0.104	0.0892	"	0.891	ND	11.7	10-106				
Hexachloroethane	0.391	0.0892	"	0.891	ND	43.8	10-110				
Indeno(1,2,3-cd)pyrene	1.00	0.0892	"	0.891	0.334	74.6	10-144				
Isophorone	0.473	0.0892	"	0.891	ND	53.0	10-132				
Naphthalene	0.479	0.0892	"	0.891	ND	53.8	10-141				
Nitrobenzene	0.497	0.0892	"	0.891	ND	55.8	10-131				
N-Nitrosodimethylamine	0.306	0.0892	"	0.891	ND	34.3	10-126				
N-nitroso-di-n-propylamine	0.427	0.0892	"	0.891	ND	47.9	10-125				
N-Nitrosodiphenylamine	0.627	0.0892	"	0.891	ND	70.4	10-177				
Pentachlorophenol	0.404	0.0892	"	0.891	ND	45.4	10-153				
Phenanthrene	1.03	0.0892	"	0.891	0.486	61.2	10-148				
Phenol	0.492	0.0892	"	0.891	ND	55.2	10-126				
Pyrene	2.01	0.0892	"	0.891	1.14	97.3	10-165				
Pyridine	0.219	0.357	"	0.891	ND	24.6	10-83				
Surrogate: 2-Fluorophenol	0.635		"	1.38		46.1	20-108				
Surrogate: Phenol-d5	0.726		"	1.36		53.4	23-114				
Surrogate: Nitrobenzene-d5	0.508		"	0.891		57.0	22-108				
Surrogate: 2-Fluorobiphenyl	0.431		"	0.888		48.5	21-113				
Surrogate: 2,4,6-Tribromophenol	1.05		"	1.40		75.4	19-110				
Surrogate: Terphenyl-d14	0.497		"	0.895		55.5	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 BE80566 - EPA 3550C											
Matrix Spike Dup (BE80566-MSD1)			*Source sample: 18E0411-11 (011/LSB-18A)				Prepared: 05/10/2018 Analyzed: 05/11/2018				
1,1-Biphenyl	0.451	0.0892	mg/kg dry	0.891	ND	50.6	10-130		0.954	30	
1,2,4,5-Tetrachlorobenzene	0.448	0.178	"	0.891	ND	50.3	10-133		7.94	30	
1,2,4-Trichlorobenzene	0.448	0.0892	"	0.891	ND	50.3	10-127		9.54	30	
1,2-Dichlorobenzene	0.395	0.0892	"	0.891	ND	44.3	14-111		2.50	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.159	0.0892	"	0.891	ND	17.8	10-144		53.3	30	Non-dir.
1,3-Dichlorobenzene	0.369	0.0892	"	0.891	ND	41.4	11-111		2.29	30	
1,4-Dichlorobenzene	0.368	0.0892	"	0.891	ND	41.3	10-106		0.772	30	
2,3,4,6-Tetrachlorophenol	1.20	0.178	"	0.891	ND	135	30-130	High Bias	2.93	30	
2,4,5-Trichlorophenol	0.541	0.0892	"	0.891	ND	60.7	10-127		9.30	30	
2,4,6-Trichlorophenol	0.515	0.0892	"	0.891	ND	57.8	10-132		7.08	30	
2,4-Dichlorophenol	0.519	0.0892	"	0.891	ND	58.2	10-128		7.66	30	
2,4-Dimethylphenol	0.465	0.0892	"	0.891	ND	52.2	10-137		8.80	30	
2,4-Dinitrophenol	ND	0.178	"	0.891	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.627	0.0892	"	0.891	ND	70.4	16-135		19.0	30	
2,6-Dinitrotoluene	0.640	0.0892	"	0.891	ND	71.8	18-131		15.2	30	
2-Chloronaphthalene	0.444	0.0892	"	0.891	ND	49.8	10-129		6.97	30	
2-Chlorophenol	0.420	0.0892	"	0.891	ND	47.1	15-116		7.36	30	
2-Methylnaphthalene	0.503	0.0892	"	0.891	ND	56.4	10-147		8.29	30	
2-Methylphenol	0.448	0.0892	"	0.891	ND	50.3	10-136		12.0	30	
2-Nitroaniline	0.637	0.178	"	0.891	ND	71.4	10-137		2.76	30	
2-Nitrophenol	0.527	0.0892	"	0.891	ND	59.1	10-129		8.67	30	
3- & 4-Methylphenols	0.414	0.0892	"	0.891	ND	46.5	10-123		8.09	30	
3,3-Dichlorobenzidine	0.195	0.0892	"	0.891	ND	21.8	10-155		33.3	30	Non-dir.
3-Nitroaniline	0.486	0.178	"	0.891	ND	54.5	12-133		10.3	30	
4,6-Dinitro-2-methylphenol	ND	0.178	"	0.891	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.543	0.0892	"	0.891	ND	61.0	14-128		3.35	30	
4-Chloro-3-methylphenol	0.522	0.0892	"	0.891	ND	58.6	10-134		9.87	30	
4-Chloroaniline	0.332	0.0892	"	0.891	ND	37.3	10-145		8.62	30	
4-Chlorophenyl phenyl ether	0.477	0.0892	"	0.891	ND	53.5	14-130		11.3	30	
4-Nitroaniline	0.477	0.178	"	0.891	ND	53.5	10-147		13.5	30	
4-Nitrophenol	0.455	0.178	"	0.891	ND	51.0	10-137		8.26	30	
Acenaphthene	0.466	0.0892	"	0.891	ND	52.3	10-146		5.65	30	
Acenaphthylene	0.520	0.0892	"	0.891	0.0696	50.6	10-134		7.51	30	
Acetophenone	0.396	0.0892	"	0.891	ND	44.5	10-116		2.84	30	
Aniline	0.245	0.357	"	0.891	ND	27.5	10-123		7.28	30	
Anthracene	0.650	0.0892	"	0.891	0.130	58.4	10-142		5.34	30	
Atrazine	0.551	0.0892	"	0.891	ND	61.8	19-115		0.649	30	
Benzaldehyde	0.411	0.0892	"	0.891	ND	46.1	10-125		1.57	30	
Benzo(a)anthracene	1.20	0.0892	"	0.891	0.555	72.9	10-158		6.91	30	
Benzo(a)pyrene	1.23	0.0892	"	0.891	0.541	77.4	10-180		1.95	30	
Benzo(b)fluoranthene	1.07	0.0892	"	0.891	0.435	71.5	10-200		7.80	30	
Benzo(g,h,i)perylene	1.03	0.0892	"	0.891	0.405	70.4	10-138		6.16	30	
Benzo(k)fluoranthene	1.04	0.0892	"	0.891	0.445	66.4	10-197		4.77	30	
Benzoic acid	0.118	0.0892	"	0.905	ND	13.0	10-166		79.7	30	Non-dir.
Benzyl alcohol	0.407	0.0892	"	0.891	ND	45.7	12-124		11.9	30	
Benzyl butyl phthalate	0.689	0.0892	"	0.891	0.0469	72.1	10-154		5.92	30	
Bis(2-chloroethoxy)methane	0.408	0.0892	"	0.891	ND	45.8	10-132		7.08	30	
Bis(2-chloroethyl)ether	0.473	0.0892	"	0.891	ND	53.1	10-119		7.01	30	
Bis(2-chloroisopropyl)ether	0.396	0.0892	"	0.891	ND	44.4	10-139		6.28	30	
Bis(2-ethylhexyl)phthalate	0.697	0.0892	"	0.891	0.0959	67.5	10-167		9.08	30	
Caprolactam	0.478	0.178	"	0.891	ND	53.7	10-132		1.35	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
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Batch BE80566 - EPA 3550C

Matrix Spike Dup (BE80566-MSD1)	*Source sample: 18E0411-11 (011/LSB-18A)						Prepared: 05/10/2018 Analyzed: 05/11/2018				
Carbazole	0.525	0.0892	mg/kg dry	0.891	ND	59.0	10-167		6.94	30	
Chrysene	1.15	0.0892	"	0.891	0.557	66.1	10-156		6.79	30	
Dibenzo(a,h)anthracene	0.740	0.0892	"	0.891	0.126	68.9	10-137		5.71	30	
Dibenzofuran	0.465	0.0892	"	0.891	ND	52.2	10-147		9.36	30	
Diethyl phthalate	0.478	0.0892	"	0.891	ND	53.6	20-120		7.19	30	
Dimethyl phthalate	0.456	0.0892	"	0.891	ND	51.1	18-131		7.67	30	
Di-n-butyl phthalate	0.527	0.0892	"	0.891	ND	59.1	10-137		7.05	30	
Di-n-octyl phthalate	0.645	0.0892	"	0.891	ND	72.4	10-180		3.79	30	
Fluoranthene	1.42	0.0892	"	0.891	0.925	55.7	10-160		10.6	30	
Fluorene	0.514	0.0892	"	0.891	ND	57.7	10-157		9.51	30	
Hexachlorobenzene	0.540	0.0892	"	0.891	ND	60.6	10-137		5.02	30	
Hexachlorobutadiene	0.524	0.0892	"	0.891	ND	58.8	10-132		4.39	30	
Hexachlorocyclopentadiene	0.0463	0.0892	"	0.891	ND	5.20	10-106	Low Bias	76.8	30	Non-dir.
Hexachloroethane	0.322	0.0892	"	0.891	ND	36.2	10-110		19.2	30	
Indeno(1,2,3-cd)pyrene	0.940	0.0892	"	0.891	0.334	67.9	10-144		6.18	30	
Isophorone	0.448	0.0892	"	0.891	ND	50.3	10-132		5.26	30	
Naphthalene	0.451	0.0892	"	0.891	ND	50.6	10-141		5.98	30	
Nitrobenzene	0.463	0.0892	"	0.891	ND	52.0	10-131		6.98	30	
N-Nitrosodimethylamine	0.314	0.0892	"	0.891	ND	35.3	10-126		2.76	30	
N-nitroso-di-n-propylamine	0.401	0.0892	"	0.891	ND	45.0	10-125		6.20	30	
N-Nitrosodiphenylamine	0.637	0.0892	"	0.891	ND	71.4	10-177		1.47	30	
Pentachlorophenol	0.416	0.0892	"	0.891	ND	46.6	10-153		2.78	30	
Phenanthrene	0.962	0.0892	"	0.891	0.486	53.4	10-148		6.94	30	
Phenol	0.439	0.0892	"	0.891	ND	49.3	10-126		11.3	30	
Pyrene	1.79	0.0892	"	0.891	1.14	73.3	10-165		11.3	30	
Pyridine	0.232	0.357	"	0.891	ND	26.0	10-83		5.70	30	
Surrogate: 2-Fluorophenol	0.663		"	1.38		48.1	20-108				
Surrogate: Phenol-d5	0.699		"	1.36		51.4	23-114				
Surrogate: Nitrobenzene-d5	0.510		"	0.891		57.2	22-108				
Surrogate: 2-Fluorobiphenyl	0.434		"	0.888		48.9	21-113				
Surrogate: 2,4,6-Tribromophenol	1.10		"	1.40		79.0	19-110				
Surrogate: Terphenyl-d14	0.488		"	0.895		54.5	24-116				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BE80568 - EPA 3550C

Blank (BE80568-BLK1)

Prepared: 05/10/2018 Analyzed: 05/11/2018

4,4'-DDD	ND	0.000330	mg/kg wet								
4,4'-DDE	ND	0.000330	"								
4,4'-DDT	ND	0.000330	"								
Aldrin	ND	0.000330	"								
alpha-BHC	ND	0.000330	"								
alpha-Chlordane	ND	0.000330	"								
beta-BHC	ND	0.000330	"								
Chlordane, total	ND	0.00660	"								
delta-BHC	ND	0.000330	"								
Dieldrin	ND	0.000330	"								
Endosulfan I	ND	0.000330	"								
Endosulfan II	ND	0.000330	"								
Endosulfan sulfate	ND	0.000330	"								
Endrin	ND	0.000330	"								
Endrin aldehyde	ND	0.000330	"								
Endrin ketone	ND	0.000330	"								
gamma-BHC (Lindane)	ND	0.000330	"								
gamma-Chlordane	ND	0.000330	"								
Heptachlor	ND	0.000330	"								
Heptachlor epoxide	ND	0.000330	"								
Methoxychlor	ND	0.00165	"								
Toxaphene	ND	0.0167	"								

<i>Surrogate: Decachlorobiphenyl</i>	0.0754		"	0.0697		108	30-150				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0644		"	0.0673		95.6	30-150				

LCS (BE80568-BS1)

Prepared: 05/10/2018 Analyzed: 05/11/2018

4,4'-DDD	0.0419	0.000330	mg/kg wet	0.0333		126	40-140				
4,4'-DDE	0.0377	0.000330	"	0.0333		113	40-140				
4,4'-DDT	0.0375	0.000330	"	0.0333		113	40-140				
Aldrin	0.0376	0.000330	"	0.0333		113	40-140				
alpha-BHC	0.0392	0.000330	"	0.0333		118	40-140				
alpha-Chlordane	0.0344	0.000330	"	0.0333		103	40-140				
beta-BHC	0.0422	0.000330	"	0.0333		127	40-140				
delta-BHC	0.0421	0.000330	"	0.0333		126	40-140				
Dieldrin	0.0371	0.000330	"	0.0333		111	40-140				
Endosulfan I	0.0359	0.000330	"	0.0333		108	40-140				
Endosulfan II	0.0362	0.000330	"	0.0333		109	40-140				
Endosulfan sulfate	0.0379	0.000330	"	0.0333		114	40-140				
Endrin	0.0348	0.000330	"	0.0333		104	40-140				
Endrin aldehyde	0.0368	0.000330	"	0.0333		110	40-140				
Endrin ketone	0.0373	0.000330	"	0.0333		112	40-140				
gamma-BHC (Lindane)	0.0380	0.000330	"	0.0333		114	40-140				
gamma-Chlordane	0.0338	0.000330	"	0.0333		101	40-140				
Heptachlor	0.0333	0.000330	"	0.0333		99.8	40-140				
Heptachlor epoxide	0.0341	0.000330	"	0.0333		102	40-140				
Methoxychlor	0.0347	0.00165	"	0.0333		104	40-140				

<i>Surrogate: Decachlorobiphenyl</i>	0.0620		"	0.0697		89.0	30-150				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0638		"	0.0673		94.8	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
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Batch BE80568 - EPA 3550C

Matrix Spike (BE80568-MS1)	*Source sample: 18E0411-19 (019/LSB-19A)						Prepared: 05/10/2018 Analyzed: 05/14/2018				
4,4'-DDD	0.0368	0.00175	mg/kg dry	0.0354	ND	104	30-150				
4,4'-DDE	0.0362	0.00175	"	0.0354	ND	102	30-150				
4,4'-DDT	0.0488	0.00175	"	0.0354	0.0117	105	30-150				
Aldrin	0.0255	0.00175	"	0.0354	ND	72.0	30-150				
alpha-BHC	0.0265	0.00175	"	0.0354	ND	74.9	30-150				
alpha-Chlordane	0.0365	0.00175	"	0.0354	0.0121	68.8	30-150				
beta-BHC	0.0374	0.00175	"	0.0354	ND	106	30-150				
delta-BHC	0.0268	0.00175	"	0.0354	ND	75.6	30-150				
Dieldrin	0.0315	0.00175	"	0.0354	0.00559	73.3	30-150				
Endosulfan I	0.0253	0.00175	"	0.0354	ND	71.6	30-150				
Endosulfan II	0.0268	0.00175	"	0.0354	ND	75.7	30-150				
Endosulfan sulfate	0.0288	0.00175	"	0.0354	ND	81.4	30-150				
Endrin	0.0320	0.00175	"	0.0354	ND	90.3	30-150				
Endrin aldehyde	0.0291	0.00175	"	0.0354	ND	82.3	30-150				
Endrin ketone	0.0327	0.00175	"	0.0354	ND	92.5	30-150				
gamma-BHC (Lindane)	0.0269	0.00175	"	0.0354	ND	76.1	30-150				
gamma-Chlordane	0.0321	0.00175	"	0.0354	0.00938	64.2	30-150				
Heptachlor	0.0308	0.00175	"	0.0354	ND	87.0	30-150				
Heptachlor epoxide	0.0284	0.00175	"	0.0354	ND	80.2	30-150				
Methoxychlor	0.0431	0.00876	"	0.0354	ND	122	30-150				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0884</i>		<i>"</i>	<i>0.0740</i>		<i>119</i>	<i>30-150</i>				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0246</i>		<i>"</i>	<i>0.0715</i>		<i>34.4</i>	<i>30-150</i>				

Matrix Spike Dup (BE80568-MSD1)	*Source sample: 18E0411-19 (019/LSB-19A)						Prepared: 05/10/2018 Analyzed: 05/15/2018				
4,4'-DDD	0.0350	0.00175	mg/kg dry	0.0354	ND	99.0	30-150	5.02	30		
4,4'-DDE	0.0360	0.00175	"	0.0354	ND	102	30-150	0.367	30		
4,4'-DDT	0.0460	0.00175	"	0.0354	0.0117	96.9	30-150	5.83	30		
Aldrin	0.0269	0.00175	"	0.0354	ND	75.9	30-150	5.20	30		
alpha-BHC	0.0275	0.00175	"	0.0354	ND	77.8	30-150	3.73	30		
alpha-Chlordane	0.0361	0.00175	"	0.0354	0.0121	67.7	30-150	1.10	30		
beta-BHC	0.0362	0.00175	"	0.0354	ND	102	30-150	3.31	30		
delta-BHC	0.0257	0.00175	"	0.0354	ND	72.5	30-150	4.19	30		
Dieldrin	0.0317	0.00175	"	0.0354	0.00559	73.9	30-150	0.638	30		
Endosulfan I	0.0266	0.00175	"	0.0354	ND	75.2	30-150	4.90	30		
Endosulfan II	0.0263	0.00175	"	0.0354	ND	74.4	30-150	1.71	30		
Endosulfan sulfate	0.0275	0.00175	"	0.0354	ND	77.8	30-150	4.56	30		
Endrin	0.0320	0.00175	"	0.0354	ND	90.5	30-150	0.249	30		
Endrin aldehyde	0.0334	0.00175	"	0.0354	ND	94.3	30-150	13.6	30		
Endrin ketone	0.0316	0.00175	"	0.0354	ND	89.2	30-150	3.62	30		
gamma-BHC (Lindane)	0.0279	0.00175	"	0.0354	ND	78.8	30-150	3.43	30		
gamma-Chlordane	0.0322	0.00175	"	0.0354	0.00938	64.6	30-150	0.396	30		
Heptachlor	0.0315	0.00175	"	0.0354	ND	89.0	30-150	2.34	30		
Heptachlor epoxide	0.0288	0.00175	"	0.0354	ND	81.3	30-150	1.22	30		
Methoxychlor	0.0486	0.00876	"	0.0354	ND	137	30-150	12.1	30		
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0753</i>		<i>"</i>	<i>0.0740</i>		<i>102</i>	<i>30-150</i>				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0300</i>		<i>"</i>	<i>0.0715</i>		<i>41.9</i>	<i>30-150</i>				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch Y8E0321 - BE80076

Performance Mix (Y8E0321-PEM1)

Prepared & Analyzed: 05/03/2018

4,4'-DDD	0.00		ng/mL	0.00				0-200				
4,4'-DDD	0.00		"	0.00				0-200				
4,4'-DDE	0.946		"	0.00				0-200				
4,4'-DDE	0.946		"	0.00				0-200				
4,4'-DDT	214		"	200		107		0-200				
4,4'-DDT	214		"	200		107		0-200				
Endrin	124		"	100		124		0-200				
Endrin	124		"	100		124		0-200				
Endrin aldehyde	1.48		"	0.00				0-200				
Endrin aldehyde	1.48		"	0.00				0-200				
Endrin ketone	3.92		"	0.00				0-200				
Endrin ketone	3.92		"	0.00				0-200				

Batch Y8E1411 - BE80295

Performance Mix (Y8E1411-PEM1)

Prepared & Analyzed: 05/11/2018

4,4'-DDD	0.00		ng/mL	0.00				0-200				
4,4'-DDE	0.901		"	0.00				0-200				
4,4'-DDT	193		"	200		96.7		0-200				
Endrin	113		"	100		113		0-200				
Endrin aldehyde	3.27		"	0.00				0-200				
Endrin ketone	6.17		"	0.00				0-200				

Performance Mix (Y8E1411-PEM2)

Prepared & Analyzed: 05/11/2018

4,4'-DDD	0.00		ng/mL	0.00				0-200				
4,4'-DDE	1.54		"	0.00				0-200				
4,4'-DDT	233		"	200		117		0-200				
Endrin	139		"	100		139		0-200				
Endrin aldehyde	1.14		"	0.00				0-200				
Endrin ketone	6.14		"	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 Y8E1506 - BE80295											
Performance Mix (Y8E1506-PEM1)						Prepared & Analyzed: 05/14/2018					
4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	1.22		"	0.00			0-200				
4,4'-DDT	128		"	200		63.8	0-200				
Endrin	92.3		"	100		92.3	0-200				
Endrin aldehyde	1.32		"	0.00			0-200				
Endrin ketone	5.89		"	0.00			0-200				
Performance Mix (Y8E1506-PEM2)						Prepared & Analyzed: 05/14/2018					
4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	1.13		"	0.00			0-200				
4,4'-DDT	190		"	200		95.0	0-200				
Endrin	120		"	100		120	0-200				
Endrin aldehyde	1.36		"	0.00			0-200				
Endrin ketone	6.41		"	0.00			0-200				
Performance Mix (Y8E1506-PEM3)						Prepared: 05/14/2018 Analyzed: 05/15/2018					
4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	1.49		"	0.00			0-200				
4,4'-DDT	236		"	200		118	0-200				
Endrin	140		"	100		140	0-200				
Endrin aldehyde	1.07		"	0.00			0-200				
Endrin ketone	6.07		"	0.00			0-200				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit								Level	Result	Limit	Flag
Batch BE80568 - EPA 3550C											
Blank (BE80568-BLK2)											
										Prepared: 05/10/2018 Analyzed: 05/11/2018	
Aroclor 1016	ND	0.0167	mg/kg wet								
Aroclor 1221	ND	0.0167	"								
Aroclor 1232	ND	0.0167	"								
Aroclor 1242	ND	0.0167	"								
Aroclor 1248	ND	0.0167	"								
Aroclor 1254	ND	0.0167	"								
Aroclor 1260	ND	0.0167	"								
Total PCBs	ND	0.0167	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0693		"	0.0673		103		30-120			
<i>Surrogate: Decachlorobiphenyl</i>	0.0767		"	0.0697		110		30-120			
LCS (BE80568-BS2)											
										Prepared: 05/10/2018 Analyzed: 05/11/2018	
Aroclor 1016	0.389	0.0167	mg/kg wet	0.333		117		40-130			
Aroclor 1260	0.396	0.0167	"	0.333		119		40-120			
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0697		"	0.0673		103		30-120			
<i>Surrogate: Decachlorobiphenyl</i>	0.0740		"	0.0697		106		30-120			
Matrix Spike (BE80568-MS2)											
*Source sample: 18E0411-19 (019/LSB-19A)										Prepared: 05/10/2018 Analyzed: 05/11/2018	
Aroclor 1016	0.340	0.0177	mg/kg dry	0.354	ND	96.1		40-140			
Aroclor 1260	0.294	0.0177	"	0.354	0.0353	73.0		40-140			
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0754		"	0.0715		105		30-120			
<i>Surrogate: Decachlorobiphenyl</i>	0.0598		"	0.0740		80.9		30-120			
Matrix Spike Dup (BE80568-MSD2)											
*Source sample: 18E0411-19 (019/LSB-19A)										Prepared: 05/10/2018 Analyzed: 05/11/2018	
Aroclor 1016	0.332	0.0177	mg/kg dry	0.354	ND	93.8		40-140	2.43	50	
Aroclor 1260	0.296	0.0177	"	0.354	0.0353	73.7		40-140	0.750	50	
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0591		"	0.0715		82.7		30-120			
<i>Surrogate: Decachlorobiphenyl</i>	0.0509		"	0.0739		68.9		30-120			



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

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

Batch BE80470 - EPA 3050B

Blank (BE80470-BLK1)

Prepared: 05/09/2018 Analyzed: 05/10/2018

Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	2.00	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	0.500	"								
Potassium	ND	5.00	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Sodium	ND	10.0	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.50	"								

Reference (BE80470-SRM1)

Prepared: 05/09/2018 Analyzed: 05/10/2018

Aluminum	7270	5.00	mg/kg wet	8040	90.4	39.4-160.5
Antimony	97.3	0.500	"	91.4	106	25.1-275.7
Arsenic	152	1.00	"	146	104	69.9-132.9
Barium	101	1.00	"	102	98.6	71.5-136.3
Beryllium	149	0.100	"	134	111	75.4-138.1
Cadmium	68.0	0.300	"	63.2	108	73.3-141.5
Calcium	6430	5.00	"	5930	108	73.7-136.1
Chromium	95.1	0.500	"	89.3	106	69.1-143.3
Cobalt	134	0.500	"	119	112	74.6-142
Copper	67.3	0.500	"	60.8	111	72.7-141.6
Iron	12400	2.00	"	14400	86.2	35.6-163.9
Lead	103	0.500	"	98.5	105	70.8-137.1
Magnesium	2630	5.00	"	2580	102	63.6-136.1
Manganese	408	0.500	"	370	110	75.7-134.3
Nickel	80.7	0.500	"	66.6	121	70.7-146.3
Potassium	2330	5.00	"	2340	99.5	59.8-140.2
Selenium	126	1.00	"	136	92.4	67.1-136.8
Silver	50.6	0.500	"	48.9	103	66.5-139.5
Sodium	348	10.0	"	318	109	40.6-159.8
Thallium	152	1.00	"	138	110	68-136.2
Vanadium	68.0	1.00	"	69.7	97.6	58.9-141.8
Zinc	189	1.50	"	177	107	69.5-131.1



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 BE80466 - EPA 7473 soil											
Blank (BE80466-BLK1)											
Mercury	ND	0.0300	mg/kg wet								Prepared & Analyzed: 05/09/2018
Reference (BE80466-SRM1)											
Mercury	10.658		mg/kg	13.8		77.2	57.1-143.5				Prepared & Analyzed: 05/09/2018



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80730 - % Solids Prep

Duplicate (BE80730-DUP1)	*Source sample: 18E0411-05 (005/LSB-15A)						Prepared & Analyzed: 05/14/2018				
% Solids	94.0	0.100	%		94.4				0.467	20	



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 BE80475 - EPA SW846-3060											
Blank (BE80475-BLK1)										Prepared & Analyzed: 05/09/2018	
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BE80475-DUP1)										*Source sample: 18E0411-20 (020/LSB-19B) Prepared & Analyzed: 05/09/2018	
Chromium, Hexavalent	ND	0.561	mg/kg dry		ND						35
Matrix Spike (BE80475-MS1)										*Source sample: 18E0411-20 (020/LSB-19B) Prepared & Analyzed: 05/09/2018	
Chromium, Hexavalent	ND	0.561	mg/kg dry	22.5	ND		75-125	Low Bias			
Reference (BE80475-SRM1)										Prepared & Analyzed: 05/09/2018	
Chromium, Hexavalent	43.9		mg/L	76.9		57.1	20.3-212				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18E0411-05	005/LSB-15A	40mL Vial with Stir Bar-Cool 4° C
18E0411-06	006/LSB-15B	40mL Vial with Stir Bar-Cool 4° C
18E0411-07	007/LSB-17A	40mL Vial with Stir Bar-Cool 4° C
18E0411-08	008/LSB-17B	40mL Vial with Stir Bar-Cool 4° C
18E0411-09	009/LSB-20A	40mL Vial with Stir Bar-Cool 4° C
18E0411-10	010/LSB-20B	40mL Vial with Stir Bar-Cool 4° C
18E0411-11	011/LSB-18A	40mL Vial with Stir Bar-Cool 4° C
18E0411-12	012/LSB-18B	40mL Vial with Stir Bar-Cool 4° C
18E0411-14	014/LSB-16A	40mL Vial with Stir Bar-Cool 4° C
18E0411-15	015/DUP-1	40mL Vial with Stir Bar-Cool 4° C
18E0411-16	016/LSB-16B	40mL Vial with Stir Bar-Cool 4° C
18E0411-19	019/LSB-19A	40mL Vial with Stir Bar-Cool 4° C
18E0411-20	020/LSB-19B	40mL Vial with Stir Bar-Cool 4° C



Sample and Data Qualifiers Relating to This Work Order

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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-CRL	The RL check for this element recovered outside of control limits.
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.
GC-SCu	This surrogate recovered below control limits due to extract clean-up required. The alternate surrogate, Decachlorobiphenyl is within control limits.
GC-P	This flag is used for pesticide and Aroclor target compounds when there is greater than 40% difference for detected concentrations between the two GC columns. The "P" flag is not used unless a compound is identified on both columns.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

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



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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Revision Description: This report is revised to include select samples



York Analytical Laboratories, Inc.
120 Research Drive
Saratford, CT 06615
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www.yorklab.com

Field Chain-of-Custody Record

YORK Project No.
18E0411

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.

Page **1** of **2**

YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company LANGAN	Company SAME	Company SAME	Company SAME	Company SAME	Company SAME	100688801	RUSH - Next Day	RUSH - Next Day	
Address 300 Kimball Dr Floor 4	Address SAME	Address SAME	Address SAME	Address SAME	Address SAME	CHRISTIAN CULTURAL CENTER	RUSH - Two Day	RUSH - Two Day	
Phone 973-560-4900	Phone SAME	Phone SAME	Phone SAME	Phone SAME	Phone SAME		RUSH - Three Day	RUSH - Three Day	
Contact A. FORSBURG	Contact SAME	Contact SAME	Contact SAME	Contact SAME	Contact SAME		RUSH - Four Day	RUSH - Four Day	
E-mail aforsburg@langan.com	E-mail SAME	E-mail SAME	E-mail SAME	E-mail SAME	E-mail SAME	YOUR POW:	Standard (5-7 Day)	Standard (5-7 Day)	<input checked="" type="checkbox"/>
<p>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.</p> <p><i>A. Kutzin</i> Samples Collected by: (print your name above and sign below) Allyson KUTZER</p>									
Sample Identification	Sample Matrix	Matrix Codes	Samples From	Report / EDD Type (circle selections)	Analysis Requested	Container Description	YORK Reg. Comp.		
001|LTP-7	S	S - soil / solid	New York	Summary Report	VOC, SVOC, PCB, PE, TAL, METAL, XCR	(1) 802(4) VOA	Compared to the following Regulator(s): (please list)		
002|LTP-2	S	GW - groundwater	New Jersey	QA Report		↓			
003|LTP-1	S	DW - drinking water	Connecticut	NY ASP A Package	↓	(2) VOA			
004|LB-1	AA	WW - wastewater	Pennsylvania	NY ASP B Package	VOC, SVOC, PCB, PE, TAL, METAL, XCR	(1) 802(4) VOA			
005|LB-15A	S	O - Oil ; Other	Other	Other:					
006|LB-15B	S								
007|LB-17A	S								
008|LB-17B	S								
009|LB-20A	S								
010|LB-20B	S								
<p>Comments: 001|LTP-7, 002|LTP-2, and 003|LTP-1 on hold. 5 day firm TAT</p>									
Preservation: (check all that apply)									
HCl <input checked="" type="checkbox"/>	MeOH <input type="checkbox"/>	HNO3 <input type="checkbox"/>	H2SO4 <input type="checkbox"/>	NaOH <input type="checkbox"/>	ZnAc <input type="checkbox"/>	Special Instruction			
Ascorbic Acid <input type="checkbox"/>	Other: <input type="checkbox"/>			Field Filtered			Lab to Filter <input checked="" type="checkbox"/>		
Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time
5/8/18 2:47 PM	5/8/18 2:47 PM	5/8/18 2:47 PM	5/8/18 2:47 PM	5/8/18 2:47 PM	5/8/18 2:47 PM	5/8/18 2:47 PM	5/8/18 1911	5/8/18 1911	5/8/18 1911
Samples Returned by / Company		Kutzin LANGAN							
Samples Returned by / Company		Kutzin LANGAN							
Samples Returned by / Company		Kutzin LANGAN							
Temp. Received at Lab		3.0							



YORK Analytical Laboratories, Inc.
 120 Research Drive
 Stratford, CT 06615
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 www.yorklab.com



Field Chain-of-Custody Record

YORK Project No.
 18E0411

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	Company:		Company:	Company:		Company:	Company:		100688801	RUSH - Next Day				
Address: 300 Kimball Dr. Parsippany, NJ	Address:		Address:	Address:		Address:	Address:		CHRISTIAN CUMMINS Center	RUSH - Two Day				
Phone: 973 560 4900	Phone:		Phone:	Phone:		Phone:	Phone:			RUSH - Three Day				
Contact: A FORSBURG	Contact:		Contact:	Contact:		Contact:	Contact:			RUSH - Four Day				
Email: aforsburg@alanganc.com	Email:		Email:	Email:		Email:	Email:			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) <i>Alyson Kritzer</i>														
Sample Identification	Sample Matrix	Matrix Codes	Samples From	Report / EDD Type (circle selections)	Analysis Requested	Container Description	Preservation: (check all that apply)	Date/Time	Date/Time	Date/Time	Date/Time	Temp. Received at Lab	Degrees C	
011 LSB-18A	S	S - soil / solid	New York	<input checked="" type="checkbox"/> CT RCP	VOC, SWOC, PCB, PEST, METALS, XCR	(1) 802 (H) VOA	HCl <input checked="" type="checkbox"/> MeOH ___ HNO ₃ <input checked="" type="checkbox"/> H ₂ SO ₄ ___ NaOH ___ ZnAc ___	5/8/18 0930	5/8/18 2:50 PM	5/8/18 1911	3.0			
012 LSB-18B	S	GW - groundwater	New Jersey	<input type="checkbox"/> QA Report		4 AMB, 2 PLAINC, 3 VOA	Ascorbic Acid ___ Other: ___	5/8/18 0955						
013 FB-1	AG	DW - drinking water	Connecticut	<input type="checkbox"/> NY ASP A Package		(1) 802 (H) VOA		5/8/18 1040						
014 LSB-10A	S	WW - wastewater	Pennsylvania	<input type="checkbox"/> NY ASP B Package				5/8/18 1140						
015 DUP-1	S	O - Oil ; Other	Other					5/8/18 1145						
016 LSB-10B	S							5/8/18 1150						
017 LSB-14A	S							5/8/18 1225						
018 LSB-14B	S							5/8/18 1230						
019 LSB-19A	S							5/8/18 1310						
020 LSB-19B	S							5/8/18 1400						
Comments: 5 Day FIRM TAT														
Samples Returned by / Company: Kucky LANGAN														
Samples Returned by / Company: A Forsburg														
Samples Returned by / Company: T. M. Kelly 5/8/18 1911														



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive
Parsipanny NJ, 07054
Attention: Amanda Forsburg

Report Date: 07/27/2018
Client Project ID: 100688801
York Project (SDG) No.: 18E0702

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

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 07/27/2018
Client Project ID: 100688801
York Project (SDG) No.: 18E0702

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive
Parsipanny NJ, 07054
Attention: Amanda Forsburg

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 May 14, 2018 and listed below. The project was identified as your project: **100688801**.

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>
18E0702-01	053/LMW-5	Water	05/14/2018	05/14/2018
18E0702-02	054/DUP-3	Water	05/14/2018	05/14/2018
18E0702-03	055/LMW-6	Water	05/14/2018	05/14/2018
18E0702-04	056/TB-5	Water	05/14/2018	05/14/2018
18E0702-05	057/FB-2	Water	05/14/2018	05/14/2018
18E0702-06	058/LMW-3	Water	05/14/2018	05/14/2018
18E0702-07	059/LMW-4	Water	05/14/2018	05/14/2018
18E0702-08	060/LMW-2	Water	05/14/2018	05/14/2018

General Notes for York Project (SDG) No.: 18E0702

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: 07/27/2018





Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 9:45 am	<u>Date Received</u> 05/14/2018
--	---------------------------------------	------------------------	---	------------------------------------

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	05/18/2018 07:30	05/18/2018 15:40	RDS
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	05/18/2018 07:30	05/18/2018 15:40	RDS
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	05/18/2018 07:30	05/18/2018 15:40	RDS
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	05/18/2018 07:30	05/18/2018 15:40	RDS
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	05/18/2018 07:30	05/18/2018 15:40	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 15:40	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
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	05/18/2018 07:30	05/18/2018 15:40	RDS
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	05/18/2018 07:30	05/18/2018 15:40	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
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	05/18/2018 07:30	05/18/2018 15:40	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 9:45 am	<u>Date Received</u> 05/14/2018
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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
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
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	05/18/2018 07:30	05/18/2018 15:40	RDS
67-64-1	Acetone	1.41	SCAL-E	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 9:45 am	<u>Date Received</u> 05/14/2018
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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
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	05/18/2018 07:30	05/18/2018 15:40	RDS
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	05/18/2018 07:30	05/18/2018 15:40	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
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	05/18/2018 07:30	05/18/2018 15:40	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 9:45 am

05/14/2018

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
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
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	05/18/2018 07:30	05/18/2018 15:40	RDS
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	05/18/2018 07:30	05/18/2018 15:40	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 15:40	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %			70-130						
2037-26-5	Surrogate: Toluene-d8	97.5 %			70-130						
460-00-4	Surrogate: p-Bromofluorobenzene	98.0 %			70-130						

Semivolatiles, 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	05/16/2018 06:56	05/18/2018 15:32	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 9:45 am	<u>Date Received</u> 05/14/2018
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
95-48-7	2-Methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
100-01-6	4-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 9:45 am	<u>Date Received</u> 05/14/2018
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		ug/L	5.26	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
98-86-2	Acetophenone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
62-53-3	Aniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
100-52-7	Benzaldehyde	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
92-87-5	Benzidine	ND		ug/L	5.26	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
65-85-0	Benzoic acid	ND		ug/L	26.3	52.6	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.05	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
105-60-2	Caprolactam	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
86-74-8	Carbazole	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
132-64-9	Dibenzofuran	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.26	10.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
78-59-1	Isophorone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 9:45 am

05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Phenol, Pyridine, and Surrogate Recoveries.

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Acenaphthene, Acenaphthylene, Anthracene, Atrazine, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Bis(2-ethylhexyl)phthalate, Chrysene, Dibenzo(a,h)anthracene, and Fluoranthene.



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 9:45 am

05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Fluorene, Hexachlorobenzene, Hexachlorobutadiene, Hexachloroethane, Indeno(1,2,3-cd)pyrene, Naphthalene, Nitrobenzene, N-Nitrosodimethylamine, Pentachlorophenol, Phenanthrene, Pyrene.

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Aldrin, alpha-BHC, alpha-Chlordane, beta-BHC, Chlordane, total.



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 9:45 am	<u>Date Received</u> 05/14/2018
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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
319-86-8	delta-BHC	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
60-57-1	Dieldrin	ND		ug/L	0.00229	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
959-98-8	Endosulfan I	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
72-20-8	Endrin	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
76-44-8	Heptachlor	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
72-43-5	Methoxychlor	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
8001-35-2	Toxaphene	ND		ug/L	0.114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	45.9 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	24.0 %	GC-SC		30-150					
			u							

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:56	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:56	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:56	LAB



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 9:45 am	<u>Date Received</u> 05/14/2018
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Polychlorinated Biphenyls (PCB), 8082 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
53469-21-9	Aroclor 1242	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:56	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:56	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:56	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:56	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0571	1	EPA 8082A Certifications:	05/15/2018 07:26	05/18/2018 04:56	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	24.8 %	S-GC		30-150					
2051-24-3	Surrogate: Decachlorobiphenyl	40.7 %			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	0.480		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7440-39-3	Barium	0.506		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7440-70-2	Calcium	225		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7440-50-8	Copper	0.00956		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7439-89-6	Iron	32.8		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7439-92-1	Lead	0.0533		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7439-95-4	Magnesium	23.5		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7439-96-5	Manganese	1.03		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7440-09-7	Potassium	13.8	B	mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 9:45 am	<u>Date Received</u> 05/14/2018
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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
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7440-23-5	Sodium	25.9	B	mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7440-66-6	Zinc	0.0764		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML

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 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7440-39-3	Barium	0.378		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7440-70-2	Calcium	224		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7440-50-8	Copper	0.00556		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7439-89-6	Iron	7.00		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7439-95-4	Magnesium	23.9		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7439-96-5	Manganese	1.03		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7440-09-7	Potassium	13.0		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7440-23-5	Sodium	25.9		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 9:45 am

05/14/2018

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
7440-66-6	Zinc	0.0225		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML

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		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:16	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:16	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:16	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:16	BML
7782-49-2	Selenium	0.00198		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:16	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:16	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		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:31	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:31	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:31	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:31	BML
7782-49-2	Selenium	0.00184		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:31	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:31	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
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Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 9:45 am	<u>Date Received</u> 05/14/2018
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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	ND		mg/L	0.00020	1	EPA 7473	05/15/2018 09:54	05/15/2018 14:58	SY
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										

Mercury by 7473, Dissolved

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	ND		mg/L	0.0002000	1	EPA 7473	05/17/2018 09:29	05/17/2018 10:37	SY
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										

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	05/15/2018 09:29	05/15/2018 09:29	TJD
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	05/21/2018 12:51	05/21/2018 12:55	PAM
Certifications:										



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 9:50 am	<u>Date Received</u> 05/14/2018
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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	05/18/2018 07:30	05/18/2018 16:09	RDS
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	05/18/2018 07:30	05/18/2018 16:09	RDS
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	05/18/2018 07:30	05/18/2018 16:09	RDS
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	05/18/2018 07:30	05/18/2018 16:09	RDS
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	05/18/2018 07:30	05/18/2018 16:09	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 16:09	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
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	05/18/2018 07:30	05/18/2018 16:09	RDS
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	05/18/2018 07:30	05/18/2018 16:09	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
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	05/18/2018 07:30	05/18/2018 16:09	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 9:50 am	<u>Date Received</u> 05/14/2018
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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
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
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	05/18/2018 07:30	05/18/2018 16:09	RDS
67-64-1	Acetone	1.12	SCAL-E	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 9:50 am	<u>Date Received</u> 05/14/2018
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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
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	05/18/2018 07:30	05/18/2018 16:09	RDS
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	05/18/2018 07:30	05/18/2018 16:09	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
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	05/18/2018 07:30	05/18/2018 16:09	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 9:50 am	<u>Date Received</u> 05/14/2018
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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
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
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	05/18/2018 07:30	05/18/2018 16:09	RDS
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	05/18/2018 07:30	05/18/2018 16:09	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 16:09	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	109 %			70-130						
2037-26-5	Surrogate: Toluene-d8	96.6 %			70-130						
460-00-4	Surrogate: p-Bromofluorobenzene	97.1 %			70-130						

Semivolatiles, 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	05/16/2018 06:56	05/18/2018 16:04	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 9:50 am	<u>Date Received</u> 05/14/2018
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Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
95-57-8	2-Chlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
95-48-7	2-Methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
88-74-4	2-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
88-75-5	2-Nitrophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
99-09-2	3-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
106-47-8	4-Chloroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
100-01-6	4-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 9:50 am	<u>Date Received</u> 05/14/2018
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		ug/L	6.06	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
98-86-2	Acetophenone	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
62-53-3	Aniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
100-52-7	Benzaldehyde	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
92-87-5	Benzidine	ND		ug/L	6.06	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
65-85-0	Benzoic acid	ND		ug/L	30.3	60.6	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
100-51-6	Benzyl alcohol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.21	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
105-60-2	Caprolactam	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
86-74-8	Carbazole	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
132-64-9	Dibenzofuran	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
84-66-2	Diethyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
131-11-3	Dimethyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	6.06	12.1	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
78-59-1	Isophorone	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 9:50 am

05/14/2018

Semivolatiles, 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
108-95-2	Phenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
110-86-1	Pyridine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	39.4 %			19.7-63.1						
4165-62-2	Surrogate: Phenol-d5	25.2 %			10.1-41.7						
4165-60-0	Surrogate: Nitrobenzene-d5	78.7 %			50.2-113						
321-60-8	Surrogate: 2-Fluorobiphenyl	72.1 %			39.9-105						
118-79-6	Surrogate: 2,4,6-Tribromophenol	109 %			39.3-151						
1718-51-0	Surrogate: Terphenyl-d14	65.6 %			30.7-106						

Semivolatiles, 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	05/16/2018 06:56	05/17/2018 11:08	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
120-12-7	Anthracene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
1912-24-9	Atrazine	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:08	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:08	SR
218-01-9	Chrysene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
206-44-0	Fluoranthene	0.0727		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 9:50 am	<u>Date Received</u> 05/14/2018
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Semivolatiles, 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
86-73-7	Fluorene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0242	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:08	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:08	SR
67-72-1	Hexachloroethane	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:08	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
91-20-3	Naphthalene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
98-95-3	Nitrobenzene	ND		ug/L	0.303	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:08	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:08	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.303	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:08	SR
85-01-8	Phenanthrene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
129-00-0	Pyrene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR

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	05/15/2018 07:26	05/16/2018 17:55	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
309-00-2	Aldrin	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
319-84-6	alpha-BHC	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
5103-71-9	alpha-Chlordane	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
319-85-7	beta-BHC	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
57-74-9	Chlordane, total	ND		ug/L	0.0216	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 9:50 am	<u>Date Received</u> 05/14/2018
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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
319-86-8	delta-BHC	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
60-57-1	Dieldrin	ND		ug/L	0.00216	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
959-98-8	Endosulfan I	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
72-20-8	Endrin	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
76-44-8	Heptachlor	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
72-43-5	Methoxychlor	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
8001-35-2	Toxaphene	ND		ug/L	0.108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	52.0 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	23.8 %	GC-SC		30-150					

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:20	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:20	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:20	LAB



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 9:50 am	<u>Date Received</u> 05/14/2018
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Polychlorinated Biphenyls (PCB), 8082 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
53469-21-9	Aroclor 1242	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:20	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:20	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:20	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:20	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0541	1	EPA 8082A Certifications:	05/15/2018 07:26	05/18/2018 05:20	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	24.3 %	S-GC		30-150					
2051-24-3	Surrogate: Decachlorobiphenyl	51.2 %			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	0.260		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:24	KML
7440-39-3	Barium	0.497		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:24	KML
7440-70-2	Calcium	224		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:24	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:24	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:24	KML
7440-50-8	Copper	0.00746		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:24	KML
7439-89-6	Iron	32.5		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:24	KML
7439-92-1	Lead	0.0416		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:24	KML
7439-95-4	Magnesium	23.2		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:24	KML
7439-96-5	Manganese	1.01		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:24	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:24	KML
7440-09-7	Potassium	13.2	B	mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:24	KML



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 9:50 am	<u>Date Received</u> 05/14/2018
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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
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:24	KML
7440-23-5	Sodium	25.9	B	mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:24	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:24	KML
7440-66-6	Zinc	0.0652		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:24	KML

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 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7440-39-3	Barium	0.371		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7440-70-2	Calcium	220		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7439-89-6	Iron	6.98		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7439-95-4	Magnesium	23.0		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7439-96-5	Manganese	0.999		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7440-09-7	Potassium	12.8		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7440-23-5	Sodium	25.8		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 9:50 am

05/14/2018

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
7440-66-6	Zinc	0.0181		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML

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		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:23	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:23	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:23	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:23	BML
7782-49-2	Selenium	0.00194		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:23	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:23	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		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:38	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:38	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:38	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:38	BML
7782-49-2	Selenium	0.00227		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:38	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:38	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
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Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 9:50 am	<u>Date Received</u> 05/14/2018
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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	ND		mg/L	0.00020	1	EPA 7473	05/15/2018 09:54	05/15/2018 15:06	SY
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										

Mercury by 7473, Dissolved

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	ND		mg/L	0.0002000	1	EPA 7473	05/17/2018 09:29	05/17/2018 10:23	SY
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										

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	05/15/2018 09:29	05/15/2018 09:29	TJD
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	05/21/2018 12:51	05/21/2018 12:55	PAM
Certifications:										



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 12:05 pm

05/14/2018

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	05/21/2018 07:30	05/21/2018 14:00	RDS
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	05/21/2018 07:30	05/21/2018 14:00	RDS
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	05/21/2018 07:30	05/21/2018 14:00	RDS
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	05/21/2018 07:30	05/21/2018 14:00	RDS
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	05/21/2018 07:30	05/21/2018 14:00	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/21/2018 07:30	05/21/2018 14:00	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
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	05/21/2018 07:30	05/21/2018 14:00	RDS
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	05/21/2018 07:30	05/21/2018 14:00	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
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	05/21/2018 07:30	05/21/2018 14:00	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
106-46-7	1,4-Dichlorobenzene	0.750		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 12:05 pm

05/14/2018

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
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
95-49-8	2-Chlorotoluene	0.450		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
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	05/21/2018 07:30	05/21/2018 14:00	RDS
67-64-1	Acetone	1.44		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
108-90-7	Chlorobenzene	0.240		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 12:05 pm

05/14/2018

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
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	05/21/2018 07:30	05/21/2018 14:00	RDS
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	05/21/2018 07:30	05/21/2018 14:00	RDS
110-82-7	Cyclohexane	0.840		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
98-82-8	Isopropylbenzene	0.240		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	2.50		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
108-87-2	Methylcyclohexane	1.20		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
104-51-8	n-Butylbenzene	0.310		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
95-47-6	o-Xylene	0.390		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
135-98-8	sec-Butylbenzene	0.320		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 12:05 pm

05/14/2018

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
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
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	05/21/2018 07:30	05/21/2018 14:00	RDS
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	05/21/2018 07:30	05/21/2018 14:00	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
1330-20-7	Xylenes, Total	0.620		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/21/2018 07:30	05/21/2018 14:00	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	110 %	70-130								
2037-26-5	Surrogate: Toluene-d8	94.8 %	70-130								
460-00-4	Surrogate: p-Bromofluorobenzene	96.3 %	70-130								

Semivolatiles, 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	05/16/2018 06:56	05/18/2018 16:35	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 12:05 pm

05/14/2018

Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
95-48-7	2-Methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
100-01-6	4-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 12:05 pm	<u>Date Received</u> 05/14/2018
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		ug/L	5.26	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
98-86-2	Acetophenone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
62-53-3	Aniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
100-52-7	Benzaldehyde	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
92-87-5	Benzidine	ND		ug/L	5.26	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
65-85-0	Benzoic acid	ND		ug/L	26.3	52.6	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.05	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
105-60-2	Caprolactam	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
86-74-8	Carbazole	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
132-64-9	Dibenzofuran	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.26	10.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
78-59-1	Isophorone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 12:05 pm

05/14/2018

Semivolatiles, 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
108-95-2	Phenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
110-86-1	Pyridine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	36.3 %			19.7-63.1						
4165-62-2	Surrogate: Phenol-d5	22.6 %			10.1-41.7						
4165-60-0	Surrogate: Nitrobenzene-d5	80.9 %			50.2-113						
321-60-8	Surrogate: 2-Fluorobiphenyl	72.2 %			39.9-105						
118-79-6	Surrogate: 2,4,6-Tribromophenol	108 %			39.3-151						
1718-51-0	Surrogate: Terphenyl-d14	58.7 %			30.7-106						

Semivolatiles, 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	0.158		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
120-12-7	Anthracene	0.0632		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
1912-24-9	Atrazine	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:39	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:39	SR
218-01-9	Chrysene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
206-44-0	Fluoranthene	0.0632		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 12:05 pm	<u>Date Received</u> 05/14/2018
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Semivolatiles, 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
86-73-7	Fluorene	0.284		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0211	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:39	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:39	SR
67-72-1	Hexachloroethane	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:39	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
91-20-3	Naphthalene	0.305		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
98-95-3	Nitrobenzene	ND		ug/L	0.263	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:39	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:39	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.263	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:39	SR
85-01-8	Phenanthrene	0.358		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
129-00-0	Pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR

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	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
309-00-2	Aldrin	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
319-84-6	alpha-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
5103-71-9	alpha-Chlordane	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
319-85-7	beta-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
57-74-9	Chlordane, total	ND		ug/L	0.0222	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 12:05 pm

05/14/2018

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
319-86-8	delta-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
60-57-1	Dieldrin	ND		ug/L	0.00222	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
959-98-8	Endosulfan I	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
72-20-8	Endrin	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
76-44-8	Heptachlor	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
72-43-5	Methoxychlor	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
8001-35-2	Toxaphene	ND		ug/L	0.111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	42.2 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	34.6 %	30-150							

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:44	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:44	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:44	LAB



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 12:05 pm	<u>Date Received</u> 05/14/2018
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Polychlorinated Biphenyls (PCB), 8082 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
53469-21-9	Aroclor 1242	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:44	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:44	LAB
11097-69-1	Aroclor 1254	0.341		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:44	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:44	LAB
1336-36-3	* Total PCBs	0.341		ug/L	0.0556	1	EPA 8082A Certifications:	05/15/2018 07:26	05/18/2018 05:44	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	23.3 %	S-GC		30-150					
2051-24-3	Surrogate: Decachlorobiphenyl	49.3 %			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	0.600		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7440-39-3	Barium	0.388		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7440-70-2	Calcium	102		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7440-50-8	Copper	0.0125		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7439-89-6	Iron	34.4		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7439-92-1	Lead	0.117		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7439-95-4	Magnesium	10.0		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7439-96-5	Manganese	0.877		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7440-09-7	Potassium	18.1	B	mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 12:05 pm	<u>Date Received</u> 05/14/2018
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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
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7440-23-5	Sodium	181	B	mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7440-66-6	Zinc	0.230		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML

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 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7440-39-3	Barium	0.299		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7440-70-2	Calcium	135		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7439-89-6	Iron	9.80		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7439-95-4	Magnesium	13.8		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7439-96-5	Manganese	0.513		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7440-09-7	Potassium	13.3		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7440-23-5	Sodium	87.8		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 12:05 pm

05/14/2018

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
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML

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		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:30	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:30	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:30	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:30	BML
7782-49-2	Selenium	0.00372		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:30	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:30	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		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:45	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:45	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:45	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:45	BML
7782-49-2	Selenium	0.00186		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:45	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:45	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
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Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 12:05 pm	<u>Date Received</u> 05/14/2018
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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	ND		mg/L	0.00020	1	EPA 7473	05/15/2018 09:54	05/15/2018 15:17	SY
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										

Mercury by 7473, Dissolved

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	ND		mg/L	0.0002000	1	EPA 7473	05/17/2018 09:29	05/17/2018 10:45	SY
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										

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	05/15/2018 09:29	05/15/2018 09:29	TJD
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	05/21/2018 12:51	05/21/2018 12:55	PAM
Certifications:										



Sample Information

Client Sample ID: 056/TB-5

York Sample ID: 18E0702-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 3:00 pm

05/14/2018

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	05/18/2018 07:30	05/18/2018 14:44	RDS
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	05/18/2018 07:30	05/18/2018 14:44	RDS
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	05/18/2018 07:30	05/18/2018 14:44	RDS
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	05/18/2018 07:30	05/18/2018 14:44	RDS
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	05/18/2018 07:30	05/18/2018 14:44	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 14:44	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
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	05/18/2018 07:30	05/18/2018 14:44	RDS
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	05/18/2018 07:30	05/18/2018 14:44	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
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	05/18/2018 07:30	05/18/2018 14:44	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS



Sample Information

Client Sample ID: 056/TB-5

York Sample ID: 18E0702-04

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 3:00 pm	<u>Date Received</u> 05/14/2018
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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
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
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	05/18/2018 07:30	05/18/2018 14:44	RDS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS



Sample Information

Client Sample ID: 056/TB-5

York Sample ID: 18E0702-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 3:00 pm

05/14/2018

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
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	05/18/2018 07:30	05/18/2018 14:44	RDS
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	05/18/2018 07:30	05/18/2018 14:44	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
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	05/18/2018 07:30	05/18/2018 14:44	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS



Sample Information

Client Sample ID: 056/TB-5

York Sample ID: 18E0702-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 3:00 pm

05/14/2018

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
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
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	05/18/2018 07:30	05/18/2018 14:44	RDS
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	05/18/2018 07:30	05/18/2018 14:44	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 14:44	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.7 %			70-130						
2037-26-5	Surrogate: Toluene-d8	97.2 %			70-130						
460-00-4	Surrogate: p-Bromofluorobenzene	104 %			70-130						



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 11:30 am

05/14/2018

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	05/18/2018 07:30	05/18/2018 15:12	RDS
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	05/18/2018 07:30	05/18/2018 15:12	RDS
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	05/18/2018 07:30	05/18/2018 15:12	RDS
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	05/18/2018 07:30	05/18/2018 15:12	RDS
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	05/18/2018 07:30	05/18/2018 15:12	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 15:12	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
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	05/18/2018 07:30	05/18/2018 15:12	RDS
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	05/18/2018 07:30	05/18/2018 15:12	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
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	05/18/2018 07:30	05/18/2018 15:12	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 11:30 am

05/14/2018

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
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
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	05/18/2018 07:30	05/18/2018 15:12	RDS
67-64-1	Acetone	1.08	SCAL-E	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
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	05/18/2018 07:30	05/18/2018 15:12	RDS



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 11:30 am	<u>Date Received</u> 05/14/2018
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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
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	05/18/2018 07:30	05/18/2018 15:12	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
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	05/18/2018 07:30	05/18/2018 15:12	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 11:30 am	<u>Date Received</u> 05/14/2018
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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
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
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	05/18/2018 07:30	05/18/2018 15:12	RDS
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	05/18/2018 07:30	05/18/2018 15:12	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 15:12	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %			70-130						
2037-26-5	Surrogate: Toluene-d8	96.9 %			70-130						
460-00-4	Surrogate: p-Bromofluorobenzene	103 %			70-130						

Semivolatiles, 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	05/16/2018 06:56	05/18/2018 17:06	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 11:30 am	<u>Date Received</u> 05/14/2018
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Semivolatiles, 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
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
100-02-7	4-Nitrophenol	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 11:30 am

05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Contains 20 rows of chemical analysis data.



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 11:30 am

05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes surrogate recoveries for 2-Fluorophenol, Phenol-d5, Nitrobenzene-d5, 2-Fluorobiphenyl, 2,4,6-Tribromophenol, and Terphenyl-d14.

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Lists various polycyclic aromatic hydrocarbons (PAHs) such as Acenaphthene, Anthracene, Atrazine, Benzo(a)anthracene, etc.



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 11:30 am	<u>Date Received</u> 05/14/2018
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Semivolatiles, 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
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:11	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:11	SR
67-72-1	Hexachloroethane	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:11	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
91-20-3	Naphthalene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
98-95-3	Nitrobenzene	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:11	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:11	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:11	SR
85-01-8	Phenanthrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
129-00-0	Pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR

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	05/15/2018 07:26	05/15/2018 23:17	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
309-00-2	Aldrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
319-84-6	alpha-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
5103-71-9	alpha-Chlordane	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
319-85-7	beta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
57-74-9	Chlordane, total	ND		ug/L	0.0205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
319-86-8	delta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 11:30 am	<u>Date Received</u> 05/14/2018
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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
60-57-1	Dieldrin	ND		ug/L	0.00205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
959-98-8	Endosulfan I	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
72-20-8	Endrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
76-44-8	Heptachlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
72-43-5	Methoxychlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
8001-35-2	Toxaphene	ND		ug/L	0.103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA

Surrogate Recoveries

Result

Acceptance Range

2051-24-3	Surrogate: Decachlorobiphenyl	108 %	30-150
877-09-8	Surrogate: Tetrachloro-m-xylene	86.9 %	30-150

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 20:01	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 20:01	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 20:01	LAB
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 20:01	LAB



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 11:30 am	<u>Date Received</u> 05/14/2018
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Polychlorinated Biphenyls (PCB), 8082 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
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 20:01	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 20:01	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 20:01	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0513	1	EPA 8082A Certifications:	05/15/2018 07:26	05/16/2018 20:01	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	88.6 %	30-150							
2051-24-3	Surrogate: Decachlorobiphenyl	71.8 %	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	0.710		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML
7440-39-3	Barium	1.06		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML
7440-70-2	Calcium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7439-89-6	Iron	ND		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7440-09-7	Potassium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 11:30 am	<u>Date Received</u> 05/14/2018
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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
7440-23-5	Sodium	ND		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML

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 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-39-3	Barium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-70-2	Calcium	0.0666		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7439-89-6	Iron	ND		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-09-7	Potassium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-23-5	Sodium	ND		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 11:30 am	<u>Date Received</u> 05/14/2018
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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		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:37	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:37	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:37	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:37	BML
7782-49-2	Selenium	0.00116		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:37	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:37	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		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:52	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:52	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:52	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:52	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:52	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:52	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	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 09:54	05/15/2018 15:55	SY

Mercury by 7473, Dissolved

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	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 09:29	05/17/2018 12:11	SY



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 11:30 am

05/14/2018

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	05/15/2018 09:29	05/15/2018 09:29	TJD
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	05/21/2018 12:51	05/21/2018 12:55	PAM
Certifications:										



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 2:00 pm

05/14/2018

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	05/18/2018 07:30	05/18/2018 17:05	RDS
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	05/18/2018 07:30	05/18/2018 17:05	RDS
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	05/18/2018 07:30	05/18/2018 17:05	RDS
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	05/18/2018 07:30	05/18/2018 17:05	RDS
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	05/18/2018 07:30	05/18/2018 17:05	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 17:05	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
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	05/18/2018 07:30	05/18/2018 17:05	RDS
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	05/18/2018 07:30	05/18/2018 17:05	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
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	05/18/2018 07:30	05/18/2018 17:05	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS





Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 2:00 pm	<u>Date Received</u> 05/14/2018
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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
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
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	05/18/2018 07:30	05/18/2018 17:05	RDS
67-64-1	Acetone	1.72	SCAL-E	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 2:00 pm	<u>Date Received</u> 05/14/2018
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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
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	05/18/2018 07:30	05/18/2018 17:05	RDS
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	05/18/2018 07:30	05/18/2018 17:05	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	1.01		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 2:00 pm

05/14/2018

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
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
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	05/18/2018 07:30	05/18/2018 17:05	RDS
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	05/18/2018 07:30	05/18/2018 17:05	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 17:05	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %			70-130						
2037-26-5	Surrogate: Toluene-d8	97.2 %			70-130						
460-00-4	Surrogate: p-Bromofluorobenzene	97.8 %			70-130						

Semivolatiles, 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	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 2:00 pm

05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include various chemical compounds like 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, etc.



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 2:00 pm	<u>Date Received</u> 05/14/2018
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Semivolatiles, 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
100-02-7	4-Nitrophenol	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
98-86-2	Acetophenone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
62-53-3	Aniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
100-52-7	Benzaldehyde	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
92-87-5	Benzidine	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
65-85-0	Benzoic acid	ND		ug/L	27.0	54.1	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.08	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
105-60-2	Caprolactam	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
86-74-8	Carbazole	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
132-64-9	Dibenzofuran	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.41	10.8	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
78-59-1	Isophorone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 2:00 pm

05/14/2018

Semivolatiles, 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
108-95-2	Phenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
110-86-1	Pyridine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	31.2 %			19.7-63.1						
4165-62-2	Surrogate: Phenol-d5	19.6 %			10.1-41.7						
4165-60-0	Surrogate: Nitrobenzene-d5	68.7 %			50.2-113						
321-60-8	Surrogate: 2-Fluorobiphenyl	64.0 %			39.9-105						
118-79-6	Surrogate: 2,4,6-Tribromophenol	98.2 %			39.3-151						
1718-51-0	Surrogate: Terphenyl-d14	56.5 %			30.7-106						

Semivolatiles, 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	0.119		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
120-12-7	Anthracene	0.0757		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
1912-24-9	Atrazine	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:43	SR
56-55-3	Benzo(a)anthracene	0.0973		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
50-32-8	Benzo(a)pyrene	0.0973		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
205-99-2	Benzo(b)fluoranthene	0.0649		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
191-24-2	Benzo(g,h,i)perylene	0.0541		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
207-08-9	Benzo(k)fluoranthene	0.0649		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:43	SR
218-01-9	Chrysene	0.0757		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
206-44-0	Fluoranthene	0.205		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 2:00 pm

05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Fluorene, Hexachlorobenzene, Hexachlorobutadiene, Hexachloroethane, Indeno(1,2,3-cd)pyrene, Naphthalene, Nitrobenzene, N-Nitrosodimethylamine, Pentachlorophenol, Phenanthrene, Pyrene.

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

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

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Aldrin, alpha-BHC, alpha-Chlordane, beta-BHC, Chlordane, total.



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 2:00 pm	<u>Date Received</u> 05/14/2018
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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
319-86-8	delta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
60-57-1	Dieldrin	ND		ug/L	0.00205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
959-98-8	Endosulfan I	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
72-20-8	Endrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
76-44-8	Heptachlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
72-43-5	Methoxychlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
8001-35-2	Toxaphene	ND		ug/L	0.103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	72.6 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	31.5 %	30-150							

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 06:08	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 06:08	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 06:08	LAB



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 2:00 pm	<u>Date Received</u> 05/14/2018
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Polychlorinated Biphenyls (PCB), 8082 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
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 06:08	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 06:08	LAB
11097-69-1	Aroclor 1254	0.224		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 06:08	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 06:08	LAB
1336-36-3	* Total PCBs	0.224		ug/L	0.0513	1	EPA 8082A Certifications:	05/15/2018 07:26	05/18/2018 06:08	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	24.8 %	S-GC		30-150					
2051-24-3	Surrogate: Decachlorobiphenyl	52.2 %			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	1.33		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7440-39-3	Barium	1.09		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7440-70-2	Calcium	276		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7440-47-3	Chromium	0.0112		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7440-48-4	Cobalt	0.00606		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7440-50-8	Copper	0.0223		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7439-89-6	Iron	30.0		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7439-92-1	Lead	0.0956		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7439-95-4	Magnesium	52.0		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7439-96-5	Manganese	0.453		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7440-02-0	Nickel	0.00629		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7440-09-7	Potassium	37.8	B	mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 2:00 pm	<u>Date Received</u> 05/14/2018
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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
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7440-23-5	Sodium	103	B	mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7440-66-6	Zinc	0.0987		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML

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 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7440-39-3	Barium	0.264		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7440-70-2	Calcium	103		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7439-89-6	Iron	5.34		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7439-95-4	Magnesium	9.97		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7439-96-5	Manganese	0.817		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7440-09-7	Potassium	17.8		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7440-23-5	Sodium	180		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 2:00 pm	<u>Date Received</u> 05/14/2018
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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
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML

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		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:44	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:44	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:44	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:44	BML
7782-49-2	Selenium	0.00231		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:44	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:44	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		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:59	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:59	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:59	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:59	BML
7782-49-2	Selenium	0.00350		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:59	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:59	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
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Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 2:00 pm	<u>Date Received</u> 05/14/2018
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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	ND		mg/L	0.00020	1	EPA 7473	05/15/2018 09:54	05/15/2018 16:03	SY
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										

Mercury by 7473, Dissolved

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	ND		mg/L	0.0002000	1	EPA 7473	05/17/2018 09:29	05/17/2018 11:08	SY
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										

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	05/15/2018 09:29	05/15/2018 09:29	TJD
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	0.0112		mg/L	0.0100	1	Calculation	05/21/2018 12:51	05/21/2018 12:55	PAM
Certifications:										



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 2:45 pm	<u>Date Received</u> 05/14/2018
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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	05/18/2018 07:30	05/18/2018 17:34	RDS
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	05/18/2018 07:30	05/18/2018 17:34	RDS
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	05/18/2018 07:30	05/18/2018 17:34	RDS
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	05/18/2018 07:30	05/18/2018 17:34	RDS
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	05/18/2018 07:30	05/18/2018 17:34	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 17:34	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
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	05/18/2018 07:30	05/18/2018 17:34	RDS
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	05/18/2018 07:30	05/18/2018 17:34	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
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	05/18/2018 07:30	05/18/2018 17:34	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 2:45 pm	<u>Date Received</u> 05/14/2018
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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
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
78-93-3	2-Butanone	1.62		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
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	05/18/2018 07:30	05/18/2018 17:34	RDS
67-64-1	Acetone	2.94	SCAL-E	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 2:45 pm

05/14/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Contains multiple rows of chemical analysis data.



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 2:45 pm

05/14/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Tetrachloroethylene, Toluene, trans-1,2-Dichloroethylene, trans-1,3-Dichloropropylene, Trichloroethylene, Trichlorofluoromethane, Vinyl Chloride, Xylenes, Total, and Surrogate Recoveries.

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for 1,1-Biphenyl, 1,2,4,5-Tetrachlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,2-Diphenylhydrazine (as Azobenzene), 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, and 2,3,4,6-Tetrachlorophenol.



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 2:45 pm

05/14/2018

Semivolatiles, 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
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
95-48-7	2-Methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
65794-96-9	3- & 4-Methylphenols	6.43		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
100-01-6	4-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 2:45 pm

05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include 4-Nitrophenol, Acetophenone, Aniline, Benzaldehyde, Benzidine, Benzoic acid, Benzyl alcohol, Benzyl butyl phthalate, Bis(2-chloroethoxy)methane, Bis(2-chloroethyl)ether, Bis(2-chloroisopropyl)ether, Caprolactam, Carbazole, Dibenzofuran, Diethyl phthalate, Dimethyl phthalate, Di-n-butyl phthalate, Di-n-octyl phthalate, Hexachlorocyclopentadiene, Isophorone, N-nitroso-di-n-propylamine, N-Nitrosodiphenylamine.



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 2:45 pm

05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Phenol, Pyridine, and Surrogate Recoveries.

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Acenaphthene, Anthracene, Fluoranthene, etc.



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 2:45 pm

05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Fluorene (0.286), Hexachlorobenzene (ND), Hexachlorobutadiene (ND), Hexachloroethane (ND), Indeno(1,2,3-cd)pyrene (ND), Naphthalene (0.206), Nitrobenzene (ND), N-Nitrosodimethylamine (ND), Pentachlorophenol (ND), Phenanthrene (0.389), Pyrene (0.103).

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

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

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include 4,4'-DDD (ND), 4,4'-DDE (ND), 4,4'-DDT (ND), Aldrin (ND), alpha-BHC (ND), alpha-Chlordane (ND), beta-BHC (ND), Chlordane, total (ND).



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 2:45 pm	<u>Date Received</u> 05/14/2018
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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
319-86-8	delta-BHC	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
60-57-1	Dieldrin	ND		ug/L	0.00229	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
959-98-8	Endosulfan I	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
72-20-8	Endrin	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
76-44-8	Heptachlor	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
72-43-5	Methoxychlor	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
8001-35-2	Toxaphene	ND		ug/L	0.114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	48.4 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	23.8 %	GC-SC		30-150					
			u							

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:32	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:32	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:32	LAB



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 2:45 pm	<u>Date Received</u> 05/14/2018
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Polychlorinated Biphenyls (PCB), 8082 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
53469-21-9	Aroclor 1242	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:32	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:32	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:32	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:32	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0571	1	EPA 8082A Certifications:	05/15/2018 07:26	05/18/2018 04:32	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	25.2 %	S-GC		30-150					
2051-24-3	Surrogate: Decachlorobiphenyl	55.0 %			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	0.232		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7440-39-3	Barium	0.0814		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7440-70-2	Calcium	82.5		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7440-48-4	Cobalt	0.00615		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7439-89-6	Iron	0.532		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7439-95-4	Magnesium	7.61		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7439-96-5	Manganese	0.439		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7440-09-7	Potassium	10.6	B	mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 2:45 pm	<u>Date Received</u> 05/14/2018
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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
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7440-23-5	Sodium	76.1	B	mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML

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 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7440-39-3	Barium	0.450		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7440-70-2	Calcium	156		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7439-89-6	Iron	2.94		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7439-95-4	Magnesium	21.2		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7439-96-5	Manganese	0.309		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7440-09-7	Potassium	20.8		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7440-23-5	Sodium	123		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 2:45 pm	<u>Date Received</u> 05/14/2018
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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
7440-66-6	Zinc	0.0181		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML

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		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:51	BML
7440-38-2	Arsenic	0.00957		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:51	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:51	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:51	BML
7782-49-2	Selenium	0.0209		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:51	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:51	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		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 14:05	BML
7440-38-2	Arsenic	0.00455		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 14:05	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 14:05	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 14:05	BML
7782-49-2	Selenium	0.0146		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 14:05	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 14:05	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
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Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 2:45 pm	<u>Date Received</u> 05/14/2018
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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	ND		mg/L	0.00020	1	EPA 7473	05/15/2018 09:54	05/15/2018 16:15	SY
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										

Mercury by 7473, Dissolved

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	ND		mg/L	0.0002000	1	EPA 7473	05/17/2018 09:29	05/17/2018 12:23	SY
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										

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	05/15/2018 09:29	05/15/2018 09:29	TJD
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	05/21/2018 12:51	05/21/2018 12:55	PAM
Certifications:										



Sample Information

Client Sample ID: 060/LMW-2

York Sample ID: 18E0702-08

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Main data table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst



Sample Information

Client Sample ID: 060/LMW-2

York Sample ID: 18E0702-08

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 4:15 pm	<u>Date Received</u> 05/14/2018
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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
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
78-93-3	2-Butanone	1.79		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
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	05/18/2018 07:30	05/18/2018 18:02	RDS
67-64-1	Acetone	7.64	SCAL-E	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
71-43-2	Benzene	0.470		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
75-15-0	Carbon disulfide	0.460		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS



Sample Information

Client Sample ID: 060/LMW-2

York Sample ID: 18E0702-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 4:15 pm

05/14/2018

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
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	05/18/2018 07:30	05/18/2018 18:02	RDS
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	05/18/2018 07:30	05/18/2018 18:02	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
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	05/18/2018 07:30	05/18/2018 18:02	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
95-47-6	o-Xylene	0.430		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
179601-23-1	p- & m- Xylenes	0.720		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
75-65-0	tert-Butyl alcohol (TBA)	9.63		ug/L	0.500	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS



Sample Information

Client Sample ID: 060/LMW-2

York Sample ID: 18E0702-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 4:15 pm

05/14/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Tetrachloroethylene, Toluene, trans-1,2-Dichloroethylene, trans-1,3-Dichloropropylene, Trichloroethylene, Trichlorofluoromethane, Vinyl Chloride, Xylenes, Total, and Surrogate Recoveries.

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include 1,1-Biphenyl, 1,2,4,5-Tetrachlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,2-Diphenylhydrazine (as Azobenzene), 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, and 2,3,4,6-Tetrachlorophenol.



Sample Information

Client Sample ID: 060/LMW-2

York Sample ID: 18E0702-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 4:15 pm

05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include various chemical compounds like 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, etc.



Sample Information

Client Sample ID: 060/LMW-2

York Sample ID: 18E0702-08

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 18E0702, 100688801, Water, May 14, 2018 4:15 pm, 05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

Main data table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Contains 20 rows of chemical analysis data.



Sample Information

Client Sample ID: 060/LMW-2

York Sample ID: 18E0702-08

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 4:15 pm	<u>Date Received</u> 05/14/2018
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Semivolatiles, 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
108-95-2	Phenol	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
110-86-1	Pyridine	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	41.3 %			19.7-63.1						
4165-62-2	Surrogate: Phenol-d5	28.5 %			10.1-41.7						
4165-60-0	Surrogate: Nitrobenzene-d5	73.9 %			50.2-113						
321-60-8	Surrogate: 2-Fluorobiphenyl	68.0 %			39.9-105						
118-79-6	Surrogate: 2,4,6-Tribromophenol	101 %			39.3-151						
1718-51-0	Surrogate: Terphenyl-d14	59.3 %			30.7-106						

Semivolatiles, 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	3.56		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
208-96-8	Acenaphthylene	0.0645		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
120-12-7	Anthracene	0.232		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
1912-24-9	Atrazine	ND		ug/L	0.645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:46	SR
56-55-3	Benzo(a)anthracene	0.271		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
50-32-8	Benzo(a)pyrene	0.284		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
205-99-2	Benzo(b)fluoranthene	0.297		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
191-24-2	Benzo(g,h,i)perylene	0.142		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
207-08-9	Benzo(k)fluoranthene	0.219		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:46	SR
218-01-9	Chrysene	0.271		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
53-70-3	Dibenzo(a,h)anthracene	0.0645		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
206-44-0	Fluoranthene	0.761		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR



Sample Information

Client Sample ID: 060/LMW-2

York Sample ID: 18E0702-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 4:15 pm

05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Fluorene, Hexachlorobenzene, Hexachlorobutadiene, Hexachloroethane, Indeno(1,2,3-cd)pyrene, Naphthalene, Nitrobenzene, N-Nitrosodimethylamine, Pentachlorophenol, Phenanthrene, Pyrene.

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

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

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Aldrin, alpha-BHC, alpha-Chlordane, beta-BHC, Chlordane, total.



Sample Information

Client Sample ID: 060/LMW-2

York Sample ID: 18E0702-08

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 4:15 pm	<u>Date Received</u> 05/14/2018
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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
319-86-8	delta-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
60-57-1	Dieldrin	ND		ug/L	0.00222	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
959-98-8	Endosulfan I	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
72-20-8	Endrin	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
76-44-8	Heptachlor	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
72-43-5	Methoxychlor	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
8001-35-2	Toxaphene	ND		ug/L	0.111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	61.7 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	41.0 %	30-150							

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:08	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:08	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:08	LAB



Sample Information

Client Sample ID: 060/LMW-2

York Sample ID: 18E0702-08

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 4:15 pm	<u>Date Received</u> 05/14/2018
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Polychlorinated Biphenyls (PCB), 8082 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
53469-21-9	Aroclor 1242	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:08	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:08	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:08	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:08	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0556	1	EPA 8082A Certifications:	05/15/2018 07:26	05/18/2018 04:08	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	33.7 %	30-150							
2051-24-3	Surrogate: Decachlorobiphenyl	76.1 %	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	0.0808		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7440-39-3	Barium	0.0858		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7440-70-2	Calcium	94.2		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7439-89-6	Iron	0.229		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7439-95-4	Magnesium	7.91		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7439-96-5	Manganese	1.73		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7440-09-7	Potassium	10.5	B	mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML



Sample Information

Client Sample ID: 060/LMW-2

York Sample ID: 18E0702-08

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 4:15 pm	<u>Date Received</u> 05/14/2018
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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
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7440-23-5	Sodium	111	B	mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML

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 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7440-39-3	Barium	0.753		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7440-70-2	Calcium	260		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7440-50-8	Copper	0.00733		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7439-89-6	Iron	0.0823		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7439-95-4	Magnesium	49.5		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7439-96-5	Manganese	0.388		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7440-09-7	Potassium	41.3		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7440-23-5	Sodium	99.5		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML



Sample Information

Client Sample ID: 060/LMW-2

York Sample ID: 18E0702-08

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 4:15 pm	<u>Date Received</u> 05/14/2018
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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
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML

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		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 13:11	BML
7440-38-2	Arsenic	0.00614		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 13:11	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 13:11	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 13:11	BML
7782-49-2	Selenium	0.0185		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 13:11	BML
7440-28-0	Thallium	0.00318		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 13:11	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		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 15:20	BML
7440-38-2	Arsenic	0.00141		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 15:20	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 15:20	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 15:20	BML
7782-49-2	Selenium	0.0109		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 15:20	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 15:20	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
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Sample Information

Client Sample ID: 060/LMW-2

York Sample ID: 18E0702-08

<u>York Project (SDG) No.</u> 18E0702	<u>Client Project ID</u> 100688801	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 14, 2018 4:15 pm	<u>Date Received</u> 05/14/2018
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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	ND		mg/L	0.00020	1	EPA 7473	05/15/2018 09:54	05/15/2018 16:26	SY
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										

Mercury by 7473, Dissolved

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	ND		mg/L	0.0002000	1	EPA 7473	05/17/2018 09:29	05/17/2018 12:37	SY
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										

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	05/15/2018 09:29	05/15/2018 09:29	TJD
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	05/21/2018 12:51	05/21/2018 12:55	PAM
Certifications:										



Analytical Batch Summary

Batch ID: BE80760 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/15/18
18E0702-01	053/LMW-5	05/15/18
18E0702-02	054/DUP-3	05/15/18
18E0702-02	054/DUP-3	05/15/18
18E0702-03	055/LMW-6	05/15/18
18E0702-03	055/LMW-6	05/15/18
18E0702-05	057/FB-2	05/15/18
18E0702-05	057/FB-2	05/15/18
18E0702-06	058/LMW-3	05/15/18
18E0702-06	058/LMW-3	05/15/18
18E0702-07	059/LMW-4	05/15/18
18E0702-07	059/LMW-4	05/15/18
18E0702-08	060/LMW-2	05/15/18
18E0702-08	060/LMW-2	05/15/18
BE80760-BLK1	Blank	05/15/18
BE80760-BLK2	Blank	05/15/18
BE80760-BS1	LCS	05/15/18
BE80760-BS2	LCS	05/15/18
BE80760-BSD1	LCS Dup	05/15/18
BE80760-BSD2	LCS Dup	05/15/18

Batch ID: BE80768 **Preparation Method:** Analysis Preparation **Prepared By:** TJD

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/15/18
18E0702-02	054/DUP-3	05/15/18
18E0702-03	055/LMW-6	05/15/18
18E0702-05	057/FB-2	05/15/18
18E0702-06	058/LMW-3	05/15/18
18E0702-07	059/LMW-4	05/15/18
18E0702-08	060/LMW-2	05/15/18
BE80768-BLK1	Blank	05/15/18
BE80768-BS1	LCS	05/15/18
BE80768-DUP1	Duplicate	05/15/18
BE80768-MS1	Matrix Spike	05/15/18

Batch ID: BE80773 **Preparation Method:** EPA 7473 water **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/15/18
18E0702-02	054/DUP-3	05/15/18
18E0702-03	055/LMW-6	05/15/18
18E0702-05	057/FB-2	05/15/18
18E0702-06	058/LMW-3	05/15/18
18E0702-07	059/LMW-4	05/15/18



18E0702-08	060/LMW-2	05/15/18
BE80773-BLK1	Blank	05/15/18
BE80773-DUP1	Duplicate	05/15/18
BE80773-MS1	Matrix Spike	05/15/18
BE80773-SRM1	Reference	05/15/18

Batch ID: BE80831 **Preparation Method:** EPA 3510C **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/16/18
18E0702-02	054/DUP-3	05/16/18
18E0702-03	055/LMW-6	05/16/18
18E0702-05	057/FB-2	05/16/18
18E0702-06	058/LMW-3	05/16/18
18E0702-07	059/LMW-4	05/16/18
18E0702-08	060/LMW-2	05/16/18
BE80831-BLK1	Blank	05/16/18
BE80831-BLK2	Blank	05/16/18
BE80831-BS1	LCS	05/16/18
BE80831-BS2	LCS	05/16/18
BE80831-BSD1	LCS Dup	05/16/18

Batch ID: BE80919 **Preparation Method:** EPA 7473 water **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/17/18
18E0702-02	054/DUP-3	05/17/18
18E0702-03	055/LMW-6	05/17/18
18E0702-05	057/FB-2	05/17/18
18E0702-06	058/LMW-3	05/17/18
18E0702-07	059/LMW-4	05/17/18
18E0702-08	060/LMW-2	05/17/18
BE80919-BLK1	Blank	05/17/18
BE80919-SRM1	Reference	05/17/18

Batch ID: BE80922 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/17/18
18E0702-02	054/DUP-3	05/17/18
18E0702-03	055/LMW-6	05/17/18
18E0702-05	057/FB-2	05/17/18
18E0702-06	058/LMW-3	05/17/18
18E0702-07	059/LMW-4	05/17/18
18E0702-08	060/LMW-2	05/17/18
BE80922-BLK1	Blank	05/17/18
BE80922-BS1	LCS	05/17/18
BE80922-DUP1	Duplicate	05/17/18



Batch ID: BE80923

Preparation Method: EPA 3015A

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/17/18
18E0702-02	054/DUP-3	05/17/18
18E0702-03	055/LMW-6	05/17/18
18E0702-05	057/FB-2	05/17/18
18E0702-06	058/LMW-3	05/17/18
18E0702-07	059/LMW-4	05/17/18
18E0702-08	060/LMW-2	05/17/18
BE80923-BLK1	Blank	05/17/18
BE80923-BS1	LCS	05/17/18

Batch ID: BE80978

Preparation Method: EPA 5030B

Prepared By: TAB

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/18/18
18E0702-02	054/DUP-3	05/18/18
18E0702-04	056/TB-5	05/18/18
18E0702-05	057/FB-2	05/18/18
18E0702-06	058/LMW-3	05/18/18
18E0702-07	059/LMW-4	05/18/18
18E0702-08	060/LMW-2	05/18/18
BE80978-BLK1	Blank	05/18/18
BE80978-BS1	LCS	05/18/18
BE80978-BSD1	LCS Dup	05/18/18

Batch ID: BE80993

Preparation Method: EPA 3015A

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/18/18
18E0702-02	054/DUP-3	05/18/18
18E0702-03	055/LMW-6	05/18/18
18E0702-05	057/FB-2	05/18/18
18E0702-06	058/LMW-3	05/18/18
18E0702-07	059/LMW-4	05/18/18
18E0702-08	060/LMW-2	05/18/18
BE80993-BLK1	Blank	05/18/18
BE80993-BS1	LCS	05/18/18
BE80993-DUP1	Duplicate	05/18/18
BE80993-MS1	Matrix Spike	05/18/18

Batch ID: BE80994

Preparation Method: EPA 3015A

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/18/18
18E0702-02	054/DUP-3	05/18/18
18E0702-03	055/LMW-6	05/18/18
18E0702-05	057/FB-2	05/18/18
18E0702-06	058/LMW-3	05/18/18



18E0702-07	059/LMW-4	05/18/18
18E0702-08	060/LMW-2	05/18/18
BE80994-BLK1	Blank	05/18/18
BE80994-BS1	LCS	05/18/18

Batch ID: BE81050 **Preparation Method:** EPA 5030B **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-03	055/LMW-6	05/21/18
BE81050-BLK1	Blank	05/21/18
BE81050-BS1	LCS	05/21/18
BE81050-BSD1	LCS Dup	05/21/18

Batch ID: BE81087 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/21/18
18E0702-02	054/DUP-3	05/21/18
18E0702-03	055/LMW-6	05/21/18
18E0702-05	057/FB-2	05/21/18
18E0702-06	058/LMW-3	05/21/18
18E0702-07	059/LMW-4	05/21/18
18E0702-08	060/LMW-2	05/21/18



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80978 - EPA 5030B

Blank (BE80978-BLK1)

Prepared & Analyzed: 05/18/2018

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	"								
1,1-Dichloropropylene	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	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	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	"								
Bromobenzene	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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80978 - EPA 5030B

Blank (BE80978-BLK1)

Prepared & Analyzed: 05/18/2018

Hexachlorobutadiene	ND	0.500	ug/L								
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	2.00	"								
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: 1,2-Dichloroethane-d4

10.1

"

10.0

101

70-130

Surrogate: Toluene-d8

9.72

"

10.0

97.2

70-130

Surrogate: p-Bromofluorobenzene

10.3

"

10.0

103

70-130

LCS (BE80978-BS1)

Prepared & Analyzed: 05/18/2018

1,1,1,2-Tetrachloroethane	11.8		ug/L	10.0		118	82-126			30	
1,1,1-Trichloroethane	10.1		"	10.0		101	70-130			20	
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.27		"	10.0		72.7	70-130			20	
1,1,2-Trichloroethane	9.50		"	10.0		95.0	70-130			20	
1,1-Dichloroethane	10.3		"	10.0		103	70-130			20	
1,1-Dichloroethylene	8.65		"	10.0		86.5	70-130			20	
1,1-Dichloropropylene	9.55		"	10.0		95.5	83-133			30	
1,2,3-Trichlorobenzene	9.89		"	10.0		98.9	70-130			20	
1,2,3-Trichloropropane	9.76		"	10.0		97.6	77-128			30	
1,2,4-Trichlorobenzene	9.80		"	10.0		98.0	70-130			20	
1,2,4-Trimethylbenzene	9.86		"	10.0		98.6	82-132			20	
1,2-Dibromo-3-chloropropane	10.1		"	10.0		101	40-160			20	
1,2-Dibromoethane	9.98		"	10.0		99.8	70-130			20	
1,2-Dichlorobenzene	9.82		"	10.0		98.2	70-130			20	
1,2-Dichloroethane	10.5		"	10.0		105	70-130			20	
1,2-Dichloropropane	9.32		"	10.0		93.2	70-130			20	
1,3,5-Trimethylbenzene	9.57		"	10.0		95.7	80-131			30	
1,3-Dichlorobenzene	10.2		"	10.0		102	70-130			20	
1,3-Dichloropropane	9.66		"	10.0		96.6	81-125			30	
1,4-Dichlorobenzene	9.50		"	10.0		95.0	70-130			20	
1,4-Dioxane	93.7		"	210		44.6	40-160			20	
2,2-Dichloropropane	10.7		"	10.0		107	56-150			30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80978 - EPA 5030B

LCS (BE80978-BS1)

Prepared & Analyzed: 05/18/2018

2-Butanone	9.48		ug/L	10.0		94.8	40-160				20
2-Chlorotoluene	9.83		"	10.0		98.3	79-130				30
2-Hexanone	8.60		"	10.0		86.0	40-160				20
4-Chlorotoluene	9.41		"	10.0		94.1	79-128				30
4-Methyl-2-pentanone	9.01		"	10.0		90.1	40-160				20
Acetone	7.50		"	10.0		75.0	40-160				20
Acrolein	6.26		"	10.0		62.6	10-153				30
Acrylonitrile	9.87		"	10.0		98.7	51-150				30
Benzene	10.4		"	10.0		104	70-130				20
Bromobenzene	9.48		"	10.0		94.8	78-129				30
Bromochloromethane	10.8		"	10.0		108	70-130				20
Bromodichloromethane	9.85		"	10.0		98.5	70-130				20
Bromoform	11.9		"	10.0		119	70-130				20
Bromomethane	8.16		"	10.0		81.6	40-160				20
Carbon disulfide	10.3		"	10.0		103	40-160				20
Carbon tetrachloride	10.9		"	10.0		109	70-130				20
Chlorobenzene	9.99		"	10.0		99.9	70-130				20
Chloroethane	9.45		"	10.0		94.5	40-160				20
Chloroform	10.0		"	10.0		100	70-130				20
Chloromethane	8.42		"	10.0		84.2	40-160				20
cis-1,2-Dichloroethylene	10.3		"	10.0		103	70-130				20
cis-1,3-Dichloropropylene	10.2		"	10.0		102	70-130				20
Cyclohexane	9.00		"	10.0		90.0	70-130				20
Dibromochloromethane	11.4		"	10.0		114	70-130				20
Dibromomethane	9.39		"	10.0		93.9	72-134				30
Dichlorodifluoromethane	7.51		"	10.0		75.1	40-160				20
Ethyl Benzene	10.1		"	10.0		101	70-130				20
Hexachlorobutadiene	7.91		"	10.0		79.1	67-146				30
Isopropylbenzene	9.52		"	10.0		95.2	70-130				20
Methyl acetate	9.89		"	10.0		98.9	70-130				20
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	70-130				20
Methylcyclohexane	8.13		"	10.0		81.3	70-130				20
Methylene chloride	10.5		"	10.0		105	70-130				20
n-Butylbenzene	9.23		"	10.0		92.3	79-132				30
n-Propylbenzene	9.64		"	10.0		96.4	78-133				30
o-Xylene	9.92		"	10.0		99.2	70-130				20
p- & m- Xylenes	20.1		"	20.0		101	70-130				20
p-Isopropyltoluene	9.78		"	10.0		97.8	81-136				30
sec-Butylbenzene	9.66		"	10.0		96.6	79-137				30
Styrene	9.70		"	10.0		97.0	70-130				20
tert-Butyl alcohol (TBA)	40.1		"	50.0		80.2	25-162				30
tert-Butylbenzene	9.26		"	10.0		92.6	77-138				30
Tetrachloroethylene	7.65		"	10.0		76.5	70-130				20
Toluene	9.74		"	10.0		97.4	70-130				20
trans-1,2-Dichloroethylene	9.69		"	10.0		96.9	70-130				20
trans-1,3-Dichloropropylene	10.1		"	10.0		101	70-130				20
Trichloroethylene	8.76		"	10.0		87.6	70-130				20
Trichlorofluoromethane	8.63		"	10.0		86.3	40-160				20
Vinyl Chloride	8.61		"	10.0		86.1	70-130				20
Surrogate: 1,2-Dichloroethane-d4	10.2		"	10.0		102	70-130				
Surrogate: Toluene-d8	9.59		"	10.0		95.9	70-130				



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
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Batch BE80978 - EPA 5030B

LCS (BE80978-BS1)

Prepared & Analyzed: 05/18/2018

Surrogate: <i>p</i> -Bromofluorobenzene	9.84		ug/L	10.0		98.4	70-130				
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LCS Dup (BE80978-BS1)

Prepared & Analyzed: 05/18/2018

1,1,1,2-Tetrachloroethane	12.4		ug/L	10.0		124	82-126		5.04	30	
1,1,1-Trichloroethane	11.6		"	10.0		116	70-130		13.5	20	
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	70-130		1.33	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.14		"	10.0		91.4	70-130		22.8	20	Non-dir.
1,1,2-Trichloroethane	9.64		"	10.0		96.4	70-130		1.46	20	
1,1-Dichloroethane	11.0		"	10.0		110	70-130		6.85	20	
1,1-Dichloroethylene	10.3		"	10.0		103	70-130		17.1	20	
1,1-Dichloropropylene	11.0		"	10.0		110	83-133		13.9	30	
1,2,3-Trichlorobenzene	10.4		"	10.0		104	70-130		4.83	20	
1,2,3-Trichloropropane	9.97		"	10.0		99.7	77-128		2.13	30	
1,2,4-Trichlorobenzene	10.4		"	10.0		104	70-130		5.46	20	
1,2,4-Trimethylbenzene	10.9		"	10.0		109	82-132		10.3	20	
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	40-160		4.16	20	
1,2-Dibromoethane	10.0		"	10.0		100	70-130		0.300	20	
1,2-Dichlorobenzene	10.3		"	10.0		103	70-130		4.87	20	
1,2-Dichloroethane	10.4		"	10.0		104	70-130		0.768	20	
1,2-Dichloropropane	9.83		"	10.0		98.3	70-130		5.33	20	
1,3,5-Trimethylbenzene	10.8		"	10.0		108	80-131		11.7	30	
1,3-Dichlorobenzene	10.9		"	10.0		109	70-130		7.03	20	
1,3-Dichloropropane	9.87		"	10.0		98.7	81-125		2.15	30	
1,4-Dichlorobenzene	10.1		"	10.0		101	70-130		5.83	20	
1,4-Dioxane	119		"	210		56.8	40-160		24.1	20	Non-dir.
2,2-Dichloropropane	11.9		"	10.0		119	56-150		11.3	30	
2-Butanone	9.68		"	10.0		96.8	40-160		2.09	20	
2-Chlorotoluene	10.9		"	10.0		109	79-130		10.0	30	
2-Hexanone	8.89		"	10.0		88.9	40-160		3.32	20	
4-Chlorotoluene	10.2		"	10.0		102	79-128		8.55	30	
4-Methyl-2-pentanone	9.16		"	10.0		91.6	40-160		1.65	20	
Acetone	7.86		"	10.0		78.6	40-160		4.69	20	
Acrolein	6.87		"	10.0		68.7	10-153		9.29	30	
Acrylonitrile	9.73		"	10.0		97.3	51-150		1.43	30	
Benzene	11.1		"	10.0		111	70-130		6.51	20	
Bromobenzene	10.0		"	10.0		100	78-129		5.54	30	
Bromochloromethane	10.8		"	10.0		108	70-130		0.279	20	
Bromodichloromethane	10.4		"	10.0		104	70-130		5.05	20	
Bromoform	12.1		"	10.0		121	70-130		1.66	20	
Bromomethane	9.16		"	10.0		91.6	40-160		11.5	20	
Carbon disulfide	11.8		"	10.0		118	40-160		13.8	20	
Carbon tetrachloride	13.0		"	10.0		130	70-130		17.1	20	
Chlorobenzene	10.7		"	10.0		107	70-130		6.96	20	
Chloroethane	10.4		"	10.0		104	40-160		9.86	20	
Chloroform	10.5		"	10.0		105	70-130		4.66	20	
Chloromethane	9.17		"	10.0		91.7	40-160		8.53	20	
cis-1,2-Dichloroethylene	10.9		"	10.0		109	70-130		5.66	20	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	70-130		3.94	20	
Cyclohexane	10.8		"	10.0		108	70-130		18.6	20	
Dibromochloromethane	11.8		"	10.0		118	70-130		4.05	20	
Dibromomethane	9.60		"	10.0		96.0	72-134		2.21	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE80978 - EPA 5030B											
LCS Dup (BE80978-BSD1)											
										Prepared & Analyzed: 05/18/2018	
Dichlorodifluoromethane	9.13		ug/L	10.0		91.3	40-160		19.5	20	
Ethyl Benzene	11.2		"	10.0		112	70-130		10.3	20	
Hexachlorobutadiene	9.35		"	10.0		93.5	67-146		16.7	30	
Isopropylbenzene	11.0		"	10.0		110	70-130		14.2	20	
Methyl acetate	10.2		"	10.0		102	70-130		2.79	20	
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	70-130		0.188	20	
Methylcyclohexane	10.0		"	10.0		100	70-130		20.6	20	Non-dir.
Methylene chloride	10.6		"	10.0		106	70-130		0.379	20	
n-Butylbenzene	10.7		"	10.0		107	79-132		14.4	30	
n-Propylbenzene	11.1		"	10.0		111	78-133		13.8	30	
o-Xylene	10.8		"	10.0		108	70-130		8.03	20	
p- & m- Xylenes	22.2		"	20.0		111	70-130		9.88	20	
p-Isopropyltoluene	11.3		"	10.0		113	81-136		14.5	30	
sec-Butylbenzene	11.3		"	10.0		113	79-137		15.9	30	
Styrene	10.3		"	10.0		103	70-130		6.00	20	
tert-Butyl alcohol (TBA)	47.0		"	50.0		94.1	25-162		15.9	30	
tert-Butylbenzene	10.7		"	10.0		107	77-138		14.5	30	
Tetrachloroethylene	8.91		"	10.0		89.1	70-130		15.2	20	
Toluene	10.8		"	10.0		108	70-130		10.0	20	
trans-1,2-Dichloroethylene	10.6		"	10.0		106	70-130		9.35	20	
trans-1,3-Dichloropropylene	10.4		"	10.0		104	70-130		2.74	20	
Trichloroethylene	9.96		"	10.0		99.6	70-130		12.8	20	
Trichlorofluoromethane	10.4		"	10.0		104	40-160		18.4	20	
Vinyl Chloride	10.1		"	10.0		101	70-130		15.9	20	
Surrogate: 1,2-Dichloroethane-d4	9.74		"	10.0		97.4	70-130				
Surrogate: Toluene-d8	9.76		"	10.0		97.6	70-130				
Surrogate: p-Bromofluorobenzene	9.97		"	10.0		99.7	70-130				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BE81050 - EPA 5030B

Blank (BE81050-BLK1)

Prepared & Analyzed: 05/21/2018

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	"
1,1-Dichloropropylene	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	"
1,3-Dichloropropane	ND	0.500	"
1,4-Dichlorobenzene	ND	0.500	"
1,4-Dioxane	ND	80.0	"
2,2-Dichloropropane	ND	0.500	"
2-Butanone	ND	0.500	"
2-Chlorotoluene	ND	0.500	"
2-Hexanone	ND	0.500	"
4-Chlorotoluene	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	"
Bromobenzene	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	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE81050 - EPA 5030B

Blank (BE81050-BLK1)

Prepared & Analyzed: 05/21/2018

Isopropylbenzene	ND	0.500	ug/L								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	1.10	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	2.00	"								
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: 1,2-Dichloroethane-d4	10.3		"	10.0		103	70-130				
Surrogate: Toluene-d8	9.65		"	10.0		96.5	70-130				
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	70-130				

LCS (BE81050-BS1)

Prepared & Analyzed: 05/21/2018

1,1,1,2-Tetrachloroethane	12.3		ug/L	10.0		123	82-126			30	
1,1,1-Trichloroethane	11.2		"	10.0		112	70-130			20	
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.76		"	10.0		77.6	70-130			20	
1,1,2-Trichloroethane	9.59		"	10.0		95.9	70-130			20	
1,1-Dichloroethane	10.7		"	10.0		107	70-130			20	
1,1-Dichloroethylene	8.71		"	10.0		87.1	70-130			20	
1,1-Dichloropropylene	10.6		"	10.0		106	83-133			30	
1,2,3-Trichlorobenzene	9.68		"	10.0		96.8	70-130			20	
1,2,3-Trichloropropane	9.70		"	10.0		97.0	77-128			30	
1,2,4-Trichlorobenzene	9.65		"	10.0		96.5	70-130			20	
1,2,4-Trimethylbenzene	10.1		"	10.0		101	82-132			20	
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	40-160			20	
1,2-Dibromoethane	10.0		"	10.0		100	70-130			20	
1,2-Dichlorobenzene	9.82		"	10.0		98.2	70-130			20	
1,2-Dichloroethane	10.5		"	10.0		105	70-130			20	
1,2-Dichloropropane	9.65		"	10.0		96.5	70-130			20	
1,3,5-Trimethylbenzene	9.93		"	10.0		99.3	80-131			30	
1,3-Dichlorobenzene	10.3		"	10.0		103	70-130			20	
1,3-Dichloropropane	9.81		"	10.0		98.1	81-125			30	
1,4-Dichlorobenzene	9.55		"	10.0		95.5	70-130			20	
1,4-Dioxane	101		"	210		48.1	40-160			20	
2,2-Dichloropropane	11.4		"	10.0		114	56-150			30	
2-Butanone	9.61		"	10.0		96.1	40-160			20	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE81050 - EPA 5030B											
LCS (BE81050-BS1)											
Prepared & Analyzed: 05/21/2018											
2-Chlorotoluene	10.1		ug/L	10.0		101	79-130			30	
2-Hexanone	8.76		"	10.0		87.6	40-160			20	
4-Chlorotoluene	9.50		"	10.0		95.0	79-128			30	
4-Methyl-2-pentanone	9.02		"	10.0		90.2	40-160			20	
Acetone	7.09		"	10.0		70.9	40-160			20	
Acrolein	5.94		"	10.0		59.4	10-153			30	
Acrylonitrile	9.95		"	10.0		99.5	51-150			30	
Benzene	10.8		"	10.0		108	70-130			20	
Bromobenzene	9.46		"	10.0		94.6	78-129			30	
Bromochloromethane	10.9		"	10.0		109	70-130			20	
Bromodichloromethane	10.1		"	10.0		101	70-130			20	
Bromoform	12.7		"	10.0		127	70-130			20	
Bromomethane	5.87		"	10.0		58.7	40-160			20	
Carbon disulfide	10.9		"	10.0		109	40-160			20	
Carbon tetrachloride	12.6		"	10.0		126	70-130			20	
Chlorobenzene	10.3		"	10.0		103	70-130			20	
Chloroethane	9.47		"	10.0		94.7	40-160			20	
Chloroform	10.3		"	10.0		103	70-130			20	
Chloromethane	7.21		"	10.0		72.1	40-160			20	
cis-1,2-Dichloroethylene	10.6		"	10.0		106	70-130			20	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	70-130			20	
Cyclohexane	10.2		"	10.0		102	70-130			20	
Dibromochloromethane	11.9		"	10.0		119	70-130			20	
Dibromomethane	9.56		"	10.0		95.6	72-134			30	
Dichlorodifluoromethane	6.01		"	10.0		60.1	40-160			20	
Ethyl Benzene	10.7		"	10.0		107	70-130			20	
Hexachlorobutadiene	7.79		"	10.0		77.9	67-146			30	
Isopropylbenzene	10.1		"	10.0		101	70-130			20	
Methyl acetate	10.1		"	10.0		101	70-130			20	
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	70-130			20	
Methylcyclohexane	9.15		"	10.0		91.5	70-130			20	
Methylene chloride	10.9		"	10.0		109	70-130			20	
n-Butylbenzene	9.69		"	10.0		96.9	79-132			30	
n-Propylbenzene	10.2		"	10.0		102	78-133			30	
o-Xylene	10.2		"	10.0		102	70-130			20	
p- & m- Xylenes	21.2		"	20.0		106	70-130			20	
p-Isopropyltoluene	10.4		"	10.0		104	81-136			30	
sec-Butylbenzene	10.4		"	10.0		104	79-137			30	
Styrene	9.96		"	10.0		99.6	70-130			20	
tert-Butyl alcohol (TBA)	44.7		"	50.0		89.5	25-162			30	
tert-Butylbenzene	9.83		"	10.0		98.3	77-138			30	
Tetrachloroethylene	8.49		"	10.0		84.9	70-130			20	
Toluene	10.3		"	10.0		103	70-130			20	
trans-1,2-Dichloroethylene	10.2		"	10.0		102	70-130			20	
trans-1,3-Dichloropropylene	10.6		"	10.0		106	70-130			20	
Trichloroethylene	9.46		"	10.0		94.6	70-130			20	
Trichlorofluoromethane	9.51		"	10.0		95.1	40-160			20	
Vinyl Chloride	8.51		"	10.0		85.1	70-130			20	
Surrogate: 1,2-Dichloroethane-d4	10.1		"	10.0		101	70-130				
Surrogate: Toluene-d8	9.59		"	10.0		95.9	70-130				
Surrogate: p-Bromofluorobenzene	9.73		"	10.0		97.3	70-130				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit	Units							Level	Result	RPD	Limit	Flag
Batch BE81050 - EPA 5030B											
LCS (BE81050-BS1)										Prepared & Analyzed: 05/21/2018	
LCS Dup (BE81050-BSD1)										Prepared & Analyzed: 05/21/2018	
1,1,1,2-Tetrachloroethane	12.4		ug/L	10.0		124	82-126			0.405	30
1,1,1-Trichloroethane	10.8		"	10.0		108	70-130			4.00	20
1,1,2,2-Tetrachloroethane	10.7		"	10.0		107	70-130			2.65	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.13		"	10.0		71.3	70-130			8.46	20
1,1,2-Trichloroethane	9.88		"	10.0		98.8	70-130			2.98	20
1,1-Dichloroethane	10.8		"	10.0		108	70-130			0.0931	20
1,1-Dichloroethylene	7.05		"	10.0		70.5	70-130			21.1	20 Non-dir.
1,1-Dichloropropylene	10.2		"	10.0		102	83-133			3.57	30
1,2,3-Trichlorobenzene	9.68		"	10.0		96.8	70-130			0.00	20
1,2,3-Trichloropropane	9.91		"	10.0		99.1	77-128			2.14	30
1,2,4-Trichlorobenzene	9.66		"	10.0		96.6	70-130			0.104	20
1,2,4-Trimethylbenzene	9.91		"	10.0		99.1	82-132			1.80	20
1,2-Dibromo-3-chloropropane	10.8		"	10.0		108	40-160			2.91	20
1,2-Dibromoethane	10.3		"	10.0		103	70-130			2.57	20
1,2-Dichlorobenzene	9.82		"	10.0		98.2	70-130			0.00	20
1,2-Dichloroethane	10.8		"	10.0		108	70-130			2.25	20
1,2-Dichloropropane	9.62		"	10.0		96.2	70-130			0.311	20
1,3,5-Trimethylbenzene	9.64		"	10.0		96.4	80-131			2.96	30
1,3-Dichlorobenzene	10.1		"	10.0		101	70-130			1.87	20
1,3-Dichloropropane	10.1		"	10.0		101	81-125			2.71	30
1,4-Dichlorobenzene	9.56		"	10.0		95.6	70-130			0.105	20
1,4-Dioxane	117		"	210		55.6	40-160			14.4	20
2,2-Dichloropropane	10.9		"	10.0		109	56-150			4.58	30
2-Butanone	9.91		"	10.0		99.1	40-160			3.07	20
2-Chlorotoluene	9.84		"	10.0		98.4	79-130			2.61	30
2-Hexanone	9.22		"	10.0		92.2	40-160			5.12	20
4-Chlorotoluene	9.30		"	10.0		93.0	79-128			2.13	30
4-Methyl-2-pentanone	9.57		"	10.0		95.7	40-160			5.92	20
Acetone	7.56		"	10.0		75.6	40-160			6.42	20
Acrolein	5.85		"	10.0		58.5	10-153			1.53	30
Acrylonitrile	10.1		"	10.0		101	51-150			1.30	30
Benzene	10.8		"	10.0		108	70-130			0.462	20
Bromobenzene	9.38		"	10.0		93.8	78-129			0.849	30
Bromochloromethane	11.1		"	10.0		111	70-130			1.64	20
Bromodichloromethane	10.3		"	10.0		103	70-130			1.57	20
Bromoform	13.0		"	10.0		130	70-130			2.88	20
Bromomethane	5.99		"	10.0		59.9	40-160			2.02	20
Carbon disulfide	10.4		"	10.0		104	40-160			4.31	20
Carbon tetrachloride	12.1		"	10.0		121	70-130			3.90	20
Chlorobenzene	10.3		"	10.0		103	70-130			0.388	20
Chloroethane	9.15		"	10.0		91.5	40-160			3.44	20
Chloroform	10.4		"	10.0		104	70-130			0.675	20
Chloromethane	7.02		"	10.0		70.2	40-160			2.67	20
cis-1,2-Dichloroethylene	10.6		"	10.0		106	70-130			0.189	20
cis-1,3-Dichloropropylene	10.6		"	10.0		106	70-130			0.189	20
Cyclohexane	9.66		"	10.0		96.6	70-130			5.14	20
Dibromochloromethane	12.1		"	10.0		121	70-130			1.83	20
Dibromomethane	9.76		"	10.0		97.6	72-134			2.07	30
Dichlorodifluoromethane	5.66		"	10.0		56.6	40-160			6.00	20



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BE81050 - EPA 5030B

LCS Dup (BE81050-BSD1)

Prepared & Analyzed: 05/21/2018

Ethyl Benzene	10.6		ug/L	10.0		106	70-130		1.51	20
Hexachlorobutadiene	7.54		"	10.0		75.4	67-146		3.26	30
Isopropylbenzene	9.74		"	10.0		97.4	70-130		3.83	20
Methyl acetate	10.8		"	10.0		108	70-130		6.61	20
Methyl tert-butyl ether (MTBE)	11.2		"	10.0		112	70-130		5.42	20
Methylcyclohexane	8.64		"	10.0		86.4	70-130		5.73	20
Methylene chloride	11.0		"	10.0		110	70-130		0.183	20
n-Butylbenzene	9.33		"	10.0		93.3	79-132		3.79	30
n-Propylbenzene	9.87		"	10.0		98.7	78-133		3.78	30
o-Xylene	10.2		"	10.0		102	70-130		0.0977	20
p- & m- Xylenes	20.8		"	20.0		104	70-130		1.48	20
p-Isopropyltoluene	9.98		"	10.0		99.8	81-136		3.93	30
sec-Butylbenzene	9.94		"	10.0		99.4	79-137		4.43	30
Styrene	9.98		"	10.0		99.8	70-130		0.201	20
tert-Butyl alcohol (TBA)	50.2		"	50.0		100	25-162		11.6	30
tert-Butylbenzene	9.44		"	10.0		94.4	77-138		4.05	30
Tetrachloroethylene	8.08		"	10.0		80.8	70-130		4.95	20
Toluene	10.2		"	10.0		102	70-130		1.37	20
trans-1,2-Dichloroethylene	9.97		"	10.0		99.7	70-130		2.38	20
trans-1,3-Dichloropropylene	10.8		"	10.0		108	70-130		2.43	20
Trichloroethylene	9.20		"	10.0		92.0	70-130		2.79	20
Trichlorofluoromethane	8.93		"	10.0		89.3	40-160		6.29	20
Vinyl Chloride	7.98		"	10.0		79.8	70-130		6.43	20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>9.52</i>		<i>"</i>	<i>10.0</i>		<i>95.2</i>	<i>70-130</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.69</i>		<i>"</i>	<i>10.0</i>		<i>96.9</i>	<i>70-130</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
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Batch BE80831 - EPA 3510C

Blank (BE80831-BLK1)

Prepared & Analyzed: 05/16/2018

1,1-Biphenyl	ND	5.00	ug/L
1,2,4,5-Tetrachlorobenzene	ND	5.00	"
1,2,4-Trichlorobenzene	ND	5.00	"
1,2-Dichlorobenzene	ND	5.00	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"
1,3-Dichlorobenzene	ND	5.00	"
1,4-Dichlorobenzene	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	50.0	"
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	"
Hexachlorocyclopentadiene	ND	10.0	"
Isophorone	ND	5.00	"
N-nitroso-di-n-propylamine	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
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Batch BE80831 - EPA 3510C

Blank (BE80831-BLK1)

Prepared & Analyzed: 05/16/2018

N-Nitrosodiphenylamine	ND	5.00	ug/L								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								
Surrogate: 2-Fluorophenol	13.8		"	38.6		35.8	19.7-63.1				
Surrogate: Phenol-d5	8.41		"	38.1		22.1	10.1-41.7				
Surrogate: Nitrobenzene-d5	22.4		"	25.0		89.4	50.2-113				
Surrogate: 2-Fluorobiphenyl	19.9		"	24.9		80.0	39.9-105				
Surrogate: 2,4,6-Tribromophenol	42.9		"	39.2		109	39.3-151				
Surrogate: Terphenyl-d14	24.3		"	25.1		96.9	30.7-106				

Blank (BE80831-BLK2)

Prepared & Analyzed: 05/16/2018

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 BE80831 - EPA 3510C											
LCS (BE80831-BS1)											
										Prepared & Analyzed: 05/16/2018	
1,1-Biphenyl	21.8	5.00	ug/L	25.0		87.3	33-95				
1,2,4,5-Tetrachlorobenzene	22.7	5.00	"	25.0		90.8	26-120				
1,2,4-Trichlorobenzene	23.8	5.00	"	25.0		95.1	20-118				
1,2-Dichlorobenzene	20.4	5.00	"	25.0		81.4	29-111				
1,2-Diphenylhydrazine (as Azobenzene)	4.43	5.00	"	25.0		17.7	16-141				
1,3-Dichlorobenzene	20.1	5.00	"	25.0		80.4	23-117				
1,4-Dichlorobenzene	19.7	5.00	"	25.0		78.8	30-105				
2,3,4,6-Tetrachlorophenol	44.4	5.00	"	25.0		178	30-130	High Bias			
2,4,5-Trichlorophenol	25.5	5.00	"	25.0		102	32-114				
2,4,6-Trichlorophenol	24.1	5.00	"	25.0		96.5	35-118				
2,4-Dichlorophenol	25.8	5.00	"	25.0		103	25-116				
2,4-Dimethylphenol	23.5	5.00	"	25.0		94.0	15-116				
2,4-Dinitrophenol	33.0	5.00	"	25.0		132	10-170				
2,4-Dinitrotoluene	38.2	5.00	"	25.0		153	41-128	High Bias			
2,6-Dinitrotoluene	36.9	5.00	"	25.0		148	45-116	High Bias			
2-Chloronaphthalene	21.6	5.00	"	25.0		86.2	33-112				
2-Chlorophenol	19.8	5.00	"	25.0		79.0	15-120				
2-Methylnaphthalene	25.5	5.00	"	25.0		102	24-118				
2-Methylphenol	17.6	5.00	"	25.0		70.6	10-110				
2-Nitroaniline	30.6	5.00	"	25.0		122	34-129				
2-Nitrophenol	30.7	5.00	"	25.0		123	28-118	High Bias			
3- & 4-Methylphenols	14.2	5.00	"	25.0		57.0	10-107				
3,3-Dichlorobenzidine	26.9	5.00	"	25.0		107	15-187				
3-Nitroaniline	24.6	5.00	"	25.0		98.4	24-134				
4,6-Dinitro-2-methylphenol	38.1	5.00	"	25.0		153	10-153				
4-Bromophenyl phenyl ether	25.0	5.00	"	25.0		100	34-120				
4-Chloro-3-methylphenol	23.4	5.00	"	25.0		93.4	20-120				
4-Chloroaniline	17.2	5.00	"	25.0		68.8	10-147				
4-Chlorophenyl phenyl ether	25.0	5.00	"	25.0		100	27-121				
4-Nitroaniline	27.1	5.00	"	25.0		108	13-134				
4-Nitrophenol	7.06	5.00	"	25.0		28.2	10-131				
Acetophenone	20.1	5.00	"	25.0		80.3	25-110				
Aniline	9.88	5.00	"	25.0		39.5	10-117				
Benzaldehyde	20.8	5.00	"	25.0		83.4	29-117				
Benzoic acid	7.52	50.0	"	25.4		29.6	30-130	Low Bias			
Benzyl alcohol	13.4	5.00	"	25.0		53.7	10-117				
Benzyl butyl phthalate	29.9	5.00	"	25.0		120	29-133				
Bis(2-chloroethoxy)methane	20.6	5.00	"	25.0		82.6	10-154				
Bis(2-chloroethyl)ether	19.0	5.00	"	25.0		75.8	17-125				
Bis(2-chloroisopropyl)ether	16.4	5.00	"	25.0		65.5	10-139				
Caprolactam	4.08	5.00	"	25.0		16.3	10-137				
Carbazole	23.0	5.00	"	25.0		92.1	42-126				
Dibenzofuran	22.6	5.00	"	25.0		90.4	36-113				
Diethyl phthalate	23.6	5.00	"	25.0		94.3	38-115				
Dimethyl phthalate	24.3	5.00	"	25.0		97.2	38-129				
Di-n-butyl phthalate	23.5	5.00	"	25.0		94.0	31-120				
Di-n-octyl phthalate	23.3	5.00	"	25.0		93.2	21-149				
Hexachlorocyclopentadiene	15.4	10.0	"	25.0		61.6	10-130				
Isophorone	21.4	5.00	"	25.0		85.8	25-127				
N-nitroso-di-n-propylamine	18.6	5.00	"	25.0		74.2	26-122				
N-Nitrosodiphenylamine	26.3	5.00	"	25.0		105	23-149				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BE80831 - EPA 3510C

LCS (BE80831-BS1)

Prepared & Analyzed: 05/16/2018

Phenol	7.77	5.00	ug/L	25.0		31.1		10-110				
Pyridine	5.46	5.00	"	35.0		15.6		10-90				
<i>Surrogate: 2-Fluorophenol</i>	<i>16.0</i>		<i>"</i>	<i>38.6</i>		<i>41.5</i>		<i>19.7-63.1</i>				
<i>Surrogate: Phenol-d5</i>	<i>10.2</i>		<i>"</i>	<i>38.1</i>		<i>26.8</i>		<i>10.1-41.7</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>23.0</i>		<i>"</i>	<i>25.0</i>		<i>91.9</i>		<i>50.2-113</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>21.0</i>		<i>"</i>	<i>24.9</i>		<i>84.3</i>		<i>39.9-105</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>47.6</i>		<i>"</i>	<i>39.2</i>		<i>121</i>		<i>39.3-151</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>23.7</i>		<i>"</i>	<i>25.1</i>		<i>94.3</i>		<i>30.7-106</i>				

LCS (BE80831-BS2)

Prepared & Analyzed: 05/16/2018

Acenaphthene	0.660	0.0500	ug/L	1.00		66.0		25-116				
Acenaphthylene	0.850	0.0500	"	1.00		85.0		26-116				
Anthracene	0.790	0.0500	"	1.00		79.0		25-123				
Benzo(a)anthracene	0.820	0.0500	"	1.00		82.0		33-125				
Benzo(a)pyrene	0.810	0.0500	"	1.00		81.0		32-132				
Benzo(b)fluoranthene	0.750	0.0500	"	1.00		75.0		22-137				
Benzo(g,h,i)perylene	0.830	0.0500	"	1.00		83.0		10-138				
Benzo(k)fluoranthene	0.680	0.0500	"	1.00		68.0		20-137				
Bis(2-ethylhexyl)phthalate	0.710	0.500	"	1.00		71.0		10-189				
Chrysene	0.630	0.0500	"	1.00		63.0		32-124				
Dibenzo(a,h)anthracene	0.810	0.0500	"	1.00		81.0		16-133				
Fluoranthene	0.850	0.0500	"	1.00		85.0		32-121				
Fluorene	0.770	0.0500	"	1.00		77.0		28-118				
Hexachlorobenzene	0.730	0.0200	"	1.00		73.0		23-124				
Hexachlorobutadiene	0.460	0.500	"	1.00		46.0		15-123				
Hexachloroethane	0.460	0.500	"	1.00		46.0		18-115				
Indeno(1,2,3-cd)pyrene	0.810	0.0500	"	1.00		81.0		15-135				
Naphthalene	0.650	0.0500	"	1.00		65.0		18-120				
Nitrobenzene	0.790	0.250	"	1.00		79.0		21-121				
N-Nitrosodimethylamine	0.190	0.500	"	1.00		19.0		10-124				
Pentachlorophenol	1.29	0.250	"	1.00		129		10-156				
Phenanthrene	0.700	0.0500	"	1.00		70.0		24-127				
Pyrene	0.670	0.0500	"	1.00		67.0		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 BE80831 - EPA 3510C											
LCS Dup (BE80831-BSD1)											
										Prepared & Analyzed: 05/16/2018	
1,1-Biphenyl	21.0	5.00	ug/L	25.0		84.1	33-95		3.78	20	
1,2,4,5-Tetrachlorobenzene	21.6	5.00	"	25.0		86.4	26-120		4.97	20	
1,2,4-Trichlorobenzene	23.5	5.00	"	25.0		94.1	20-118		1.10	20	
1,2-Dichlorobenzene	19.7	5.00	"	25.0		78.6	29-111		3.50	20	
1,2-Diphenylhydrazine (as Azobenzene)	4.17	5.00	"	25.0		16.7	16-141		6.05	20	
1,3-Dichlorobenzene	19.1	5.00	"	25.0		76.5	23-117		5.00	20	
1,4-Dichlorobenzene	18.9	5.00	"	25.0		75.6	30-105		4.04	20	
2,3,4,6-Tetrachlorophenol	43.2	5.00	"	25.0		173	30-130	High Bias	2.86	20	
2,4,5-Trichlorophenol	24.3	5.00	"	25.0		97.0	32-114		5.06	20	
2,4,6-Trichlorophenol	23.2	5.00	"	25.0		92.7	35-118		4.02	20	
2,4-Dichlorophenol	25.0	5.00	"	25.0		100	25-116		3.07	20	
2,4-Dimethylphenol	22.9	5.00	"	25.0		91.6	15-116		2.54	20	
2,4-Dinitrophenol	32.5	5.00	"	25.0		130	10-170		1.50	20	
2,4-Dinitrotoluene	36.1	5.00	"	25.0		144	41-128	High Bias	5.73	20	
2,6-Dinitrotoluene	34.8	5.00	"	25.0		139	45-116	High Bias	5.89	20	
2-Chloronaphthalene	20.6	5.00	"	25.0		82.5	33-112		4.41	20	
2-Chlorophenol	18.6	5.00	"	25.0		74.6	15-120		5.83	20	
2-Methylnaphthalene	24.6	5.00	"	25.0		98.4	24-118		3.56	20	
2-Methylphenol	16.7	5.00	"	25.0		66.8	10-110		5.53	20	
2-Nitroaniline	28.2	5.00	"	25.0		113	34-129		7.92	20	
2-Nitrophenol	29.3	5.00	"	25.0		117	28-118		4.73	20	
3- & 4-Methylphenols	13.5	5.00	"	25.0		54.0	10-107		5.41	20	
3,3-Dichlorobenzidine	26.3	5.00	"	25.0		105	15-187		2.26	20	
3-Nitroaniline	23.6	5.00	"	25.0		94.5	24-134		3.98	20	
4,6-Dinitro-2-methylphenol	37.0	5.00	"	25.0		148	10-153		3.09	20	
4-Bromophenyl phenyl ether	24.1	5.00	"	25.0		96.6	34-120		3.70	20	
4-Chloro-3-methylphenol	22.1	5.00	"	25.0		88.3	20-120		5.68	20	
4-Chloroaniline	16.6	5.00	"	25.0		66.3	10-147		3.61	20	
4-Chlorophenyl phenyl ether	23.8	5.00	"	25.0		95.2	27-121		5.00	20	
4-Nitroaniline	25.8	5.00	"	25.0		103	13-134		4.76	20	
4-Nitrophenol	7.41	5.00	"	25.0		29.6	10-131		4.84	20	
Acetophenone	18.9	5.00	"	25.0		75.6	25-110		5.95	20	
Aniline	10.0	5.00	"	25.0		40.2	10-117		1.61	20	
Benzaldehyde	19.4	5.00	"	25.0		77.6	29-117		7.26	20	
Benzoic acid	8.41	50.0	"	25.4		33.1	30-130		11.2	20	
Benzyl alcohol	12.3	5.00	"	25.0		49.1	10-117		8.87	20	
Benzyl butyl phthalate	27.6	5.00	"	25.0		111	29-133		7.92	20	
Bis(2-chloroethoxy)methane	20.2	5.00	"	25.0		80.8	10-154		2.20	20	
Bis(2-chloroethyl)ether	20.5	5.00	"	25.0		82.0	17-125		7.85	20	
Bis(2-chloroisopropyl)ether	15.6	5.00	"	25.0		62.6	10-139		4.62	20	
Caprolactam	3.88	5.00	"	25.0		15.5	10-137		5.03	20	
Carbazole	21.5	5.00	"	25.0		86.0	42-126		6.78	20	
Dibenzofuran	21.4	5.00	"	25.0		85.7	36-113		5.41	20	
Diethyl phthalate	22.1	5.00	"	25.0		88.5	38-115		6.34	20	
Dimethyl phthalate	22.6	5.00	"	25.0		90.2	38-129		7.51	20	
Di-n-butyl phthalate	22.1	5.00	"	25.0		88.3	31-120		6.23	20	
Di-n-octyl phthalate	21.4	5.00	"	25.0		85.6	21-149		8.55	20	
Hexachlorocyclopentadiene	15.2	10.0	"	25.0		60.8	10-130		1.37	20	
Isophorone	20.4	5.00	"	25.0		81.5	25-127		5.12	20	
N-nitroso-di-n-propylamine	17.8	5.00	"	25.0		71.1	26-122		4.35	20	
N-Nitrosodiphenylamine	24.8	5.00	"	25.0		99.2	23-149		5.68	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
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Batch BE80831 - EPA 3510C

LCS Dup (BE80831-BSD1)

Prepared & Analyzed: 05/16/2018

Phenol	7.36	5.00	ug/L	25.0		29.4	10-110		5.42	20	
Pyridine	5.34	5.00	"	35.0		15.3	10-90		2.22	20	
<i>Surrogate: 2-Fluorophenol</i>	<i>15.1</i>		<i>"</i>	<i>38.6</i>		<i>39.1</i>	<i>19.7-63.1</i>				
<i>Surrogate: Phenol-d5</i>	<i>9.57</i>		<i>"</i>	<i>38.1</i>		<i>25.1</i>	<i>10.1-41.7</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>22.6</i>		<i>"</i>	<i>25.0</i>		<i>90.4</i>	<i>50.2-113</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>20.2</i>		<i>"</i>	<i>24.9</i>		<i>80.9</i>	<i>39.9-105</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>45.6</i>		<i>"</i>	<i>39.2</i>		<i>116</i>	<i>39.3-151</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>22.2</i>		<i>"</i>	<i>25.1</i>		<i>88.5</i>	<i>30.7-106</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
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Batch BE80760 - EPA SW846-3510C Low Level

Blank (BE80760-BLK1)

Prepared & Analyzed: 05/15/2018

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	"								
Chlordane, total	ND	0.0200	"								
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	"								

Surrogate: Decachlorobiphenyl 0.193 " 0.209 92.2 30-150

Surrogate: Tetrachloro-m-xylene 0.187 " 0.202 92.5 30-150

LCS (BE80760-BS1)

Prepared & Analyzed: 05/15/2018

4,4'-DDD	0.0969	0.00400	ug/L	0.100		96.9	40-140				
4,4'-DDE	0.0963	0.00400	"	0.100		96.3	40-140				
4,4'-DDT	0.0906	0.00400	"	0.100		90.6	40-140				
Aldrin	0.0930	0.00400	"	0.100		93.0	40-140				
alpha-BHC	0.0953	0.00400	"	0.100		95.3	40-140				
alpha-Chlordane	0.0856	0.00400	"	0.100		85.6	40-140				
beta-BHC	0.103	0.00400	"	0.100		103	40-140				
delta-BHC	0.104	0.00400	"	0.100		104	40-140				
Dieldrin	0.0919	0.00200	"	0.100		91.9	40-140				
Endosulfan I	0.0917	0.00400	"	0.100		91.7	40-140				
Endosulfan II	0.0903	0.00400	"	0.100		90.3	40-140				
Endosulfan sulfate	0.0936	0.00400	"	0.100		93.6	40-140				
Endrin	0.0883	0.00400	"	0.100		88.3	40-140				
Endrin aldehyde	0.0938	0.0100	"	0.100		93.8	40-140				
Endrin ketone	0.0966	0.0100	"	0.100		96.6	40-140				
gamma-BHC (Lindane)	0.0936	0.00400	"	0.100		93.6	40-140				
gamma-Chlordane	0.0830	0.0100	"	0.100		83.0	40-140				
Heptachlor	0.0810	0.00400	"	0.100		81.0	40-140				
Heptachlor epoxide	0.0838	0.00400	"	0.100		83.8	40-140				
Methoxychlor	0.0820	0.00400	"	0.100		82.0	40-140				

Surrogate: Decachlorobiphenyl 0.177 " 0.209 84.8 30-150

Surrogate: Tetrachloro-m-xylene 0.177 " 0.202 87.6 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
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Batch BE80760 - EPA SW846-3510C Low Level

LCS Dup (BE80760-BSD1)

Prepared & Analyzed: 05/15/2018

4,4'-DDD	0.118	0.00400	ug/L	0.100		118	40-140		19.7	20	
4,4'-DDE	0.109	0.00400	"	0.100		109	40-140		12.3	20	
4,4'-DDT	0.107	0.00400	"	0.100		107	40-140		16.9	20	
Aldrin	0.108	0.00400	"	0.100		108	40-140		14.5	20	
alpha-BHC	0.107	0.00400	"	0.100		107	40-140		11.4	20	
alpha-Chlordane	0.103	0.00400	"	0.100		103	40-140		18.9	20	
beta-BHC	0.115	0.00400	"	0.100		115	40-140		11.2	20	
delta-BHC	0.119	0.00400	"	0.100		119	40-140		13.0	20	
Dieldrin	0.109	0.00200	"	0.100		109	40-140		16.7	20	
Endosulfan I	0.103	0.00400	"	0.100		103	40-140		12.1	20	
Endosulfan II	0.110	0.00400	"	0.100		110	40-140		19.7	20	
Endosulfan sulfate	0.112	0.00400	"	0.100		112	40-140		17.6	20	
Endrin	0.107	0.00400	"	0.100		107	40-140		19.4	20	
Endrin aldehyde	0.112	0.0100	"	0.100		112	40-140		18.0	20	
Endrin ketone	0.115	0.0100	"	0.100		115	40-140		17.4	20	
gamma-BHC (Lindane)	0.107	0.00400	"	0.100		107	40-140		13.0	20	
gamma-Chlordane	0.101	0.0100	"	0.100		101	40-140		19.5	20	
Heptachlor	0.0954	0.00400	"	0.100		95.4	40-140		16.3	20	
Heptachlor epoxide	0.0997	0.00400	"	0.100		99.7	40-140		17.3	20	
Methoxychlor	0.0974	0.00400	"	0.100		97.4	40-140		17.1	20	
Surrogate: Decachlorobiphenyl	0.226		"	0.209		108	30-150				
Surrogate: Tetrachloro-m-xylene	0.193		"	0.202		95.5	30-150				

Batch Y8E0321 - BE80076

Performance Mix (Y8E0321-PEM1)

Prepared & Analyzed: 05/03/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	0.946		"	0.00			0-200				
4,4'-DDT	214		"	200		107	0-200				
Endrin	124		"	100		124	0-200				
Endrin aldehyde	1.48		"	0.00			0-200				
Endrin ketone	3.92		"	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
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Batch Y8E1603 - BE80295

Performance Mix (Y8E1603-PEM1)

Prepared & Analyzed: 05/15/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	1.71		"	0.00			0-200				
4,4'-DDT	191		"	200		95.7	0-200				
Endrin	122		"	100		122	0-200				
Endrin aldehyde	1.17		"	0.00			0-200				
Endrin ketone	6.97		"	0.00			0-200				

Performance Mix (Y8E1603-PEM2)

Prepared & Analyzed: 05/15/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	1.98		"	0.00			0-200				
4,4'-DDT	232		"	200		116	0-200				
Endrin	137		"	100		137	0-200				
Endrin aldehyde	1.40		"	0.00			0-200				
Endrin ketone	6.84		"	0.00			0-200				

Batch Y8E1701 - BE80752

Performance Mix (Y8E1701-PEM1)

Prepared & Analyzed: 05/16/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	1.01		"	0.00			0-200				
4,4'-DDT	189		"	200		94.6	0-200				
Endrin	115		"	100		115	0-200				
Endrin aldehyde	1.37		"	0.00			0-200				
Endrin ketone	5.73		"	0.00			0-200				

Performance Mix (Y8E1701-PEM2)

Prepared & Analyzed: 05/16/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	1.08		"	0.00			0-200				
4,4'-DDT	215		"	200		108	0-200				
Endrin	124		"	100		124	0-200				
Endrin aldehyde	1.08		"	0.00			0-200				
Endrin ketone	6.17		"	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 BE80760 - EPA SW846-3510C Low Level											
Blank (BE80760-BLK2)										Prepared & Analyzed: 05/15/2018	
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	"								
Total PCBs	ND	0.0500	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	0.195		"	0.202		96.5	30-150				
<i>Surrogate: Decachlorobiphenyl</i>	0.160		"	0.209		76.6	30-150				
LCS (BE80760-BS2)										Prepared & Analyzed: 05/15/2018	
Aroclor 1016	1.07	0.0500	ug/L	1.00		107	40-120			20	
Aroclor 1260	0.916	0.0500	"	1.00		91.6	40-120			20	
<i>Surrogate: Tetrachloro-m-xylene</i>	0.189		"	0.202		93.6	30-150				
<i>Surrogate: Decachlorobiphenyl</i>	0.158		"	0.209		75.6	30-150				
LCS Dup (BE80760-BSD2)										Prepared & Analyzed: 05/15/2018	
Aroclor 1016	1.10	0.0500	ug/L	1.00		110	40-120		2.74	20	
Aroclor 1260	0.988	0.0500	"	1.00		98.8	40-120		7.63	20	
<i>Surrogate: Tetrachloro-m-xylene</i>	0.194		"	0.202		96.0	30-150				
<i>Surrogate: Decachlorobiphenyl</i>	0.173		"	0.209		82.8	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
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Batch BE80922 - EPA 3015A

Blank (BE80922-BLK1)

Prepared & Analyzed: 05/17/2018

Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0111	"								
Calcium	ND	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00556	"								
Copper	ND	0.00556	"								
Iron	ND	0.0222	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.00556	"								
Potassium	0.197	0.0556	"								
Silver	ND	0.00556	"								
Sodium	0.322	0.111	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0167	"								

LCS (BE80922-BS1)

Prepared & Analyzed: 05/17/2018

Aluminum	2.20		ug/mL	2.00		110	80-120				
Barium	2.22		"	2.00		111	80-120				
Calcium	0.694		"	1.00		69.4	80-120	Low Bias			
Chromium	0.221		"	0.200		111	80-120				
Cobalt	0.562		"	0.500		112	80-120				
Copper	0.275		"	0.250		110	80-120				
Iron	1.08		"	1.00		108	80-120				
Lead	0.542		"	0.500		108	80-120				
Magnesium	1.12		"	1.00		112	80-120				
Manganese	0.565		"	0.500		113	80-120				
Nickel	0.545		"	0.500		109	80-120				
Potassium	1.17		"	0.500		235	80-120	High Bias			
Silver	0.0340		"	0.0500		68.0	80-120	Low Bias			
Sodium	1.28		"	1.00		128	80-120	High Bias			
Vanadium	0.541		"	0.500		108	80-120				
Zinc	0.526		"	0.500		105	80-120				



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

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Flag	RPD	RPD	Limit	Flag
		Limit		Level	Result		Limits		Limit			
Batch BE80922 - EPA 3015A												
Duplicate (BE80922-DUP1)	*Source sample: 18E0702-01 (053/LMW-5)					Prepared: 05/17/2018 Analyzed: 05/18/2018						
Aluminum	0.260	0.0556	mg/L		0.480				59.3	20		Non-dir.
Barium	0.497	0.0111	"		0.506				1.74	20		
Calcium	224	0.0556	"		225				0.338	20		
Chromium	ND	0.00556	"		ND					20		
Cobalt	ND	0.00556	"		ND					20		
Copper	0.00746	0.00556	"		0.00956				24.8	20		Non-dir.
Iron	32.5	0.0222	"		32.8				0.785	20		
Lead	0.0416	0.00556	"		0.0533				24.6	20		Non-dir.
Magnesium	23.2	0.0556	"		23.5				0.954	20		
Manganese	1.01	0.00556	"		1.03				2.52	20		
Nickel	ND	0.00556	"		ND					20		
Potassium	13.2	0.0556	"		13.8				4.84	20		
Silver	ND	0.00556	"		ND					20		
Sodium	25.9	0.111	"		25.9				0.114	20		
Vanadium	ND	0.0111	"		ND					20		
Zinc	0.0652	0.0167	"		0.0764				15.8	20		

Batch BE80993 - EPA 3015A

Blank (BE80993-BLK1)											Prepared: 05/18/2018 Analyzed: 05/21/2018	
Aluminum - Dissolved	ND	0.0556	mg/L									
Barium - Dissolved	ND	0.0111	"									
Calcium - Dissolved	ND	0.0556	"									
Chromium - Dissolved	ND	0.00556	"									
Cobalt - Dissolved	ND	0.00556	"									
Copper - Dissolved	ND	0.00556	"									
Iron - Dissolved	ND	0.0222	"									
Lead - Dissolved	ND	0.00556	"									
Magnesium - Dissolved	ND	0.0556	"									
Manganese - Dissolved	ND	0.00556	"									
Nickel - Dissolved	ND	0.00556	"									
Potassium - Dissolved	ND	0.0556	"									
Silver - Dissolved	ND	0.00556	"									
Sodium - Dissolved	ND	0.111	"									
Vanadium - Dissolved	ND	0.0111	"									
Zinc - Dissolved	ND	0.0167	"									



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80993 - EPA 3015A

LCS (BE80993-BS1)

Prepared: 05/18/2018 Analyzed: 05/21/2018

Aluminum - Dissolved	1.94		ug/mL	2.00		97.2	80-120				
Barium - Dissolved	2.03		"	2.00		101	80-120				
Calcium - Dissolved	1.01		"	1.00		101	80-120				
Chromium - Dissolved	0.210		"	0.200		105	80-120				
Cobalt - Dissolved	0.523		"	0.500		105	80-120				
Copper - Dissolved	0.252		"	0.250		101	80-120				
Iron - Dissolved	1.01		"	1.00		101	80-120				
Lead - Dissolved	0.508		"	0.500		102	80-120				
Magnesium - Dissolved	1.00		"	1.00		100	80-120				
Manganese - Dissolved	0.508		"	0.500		102	80-120				
Nickel - Dissolved	0.507		"	0.500		101	80-120				
Potassium - Dissolved	0.848		"	0.500		170	80-120	High Bias			
Silver - Dissolved	0.0543		"	0.0500		109	80-120				
Sodium - Dissolved	1.07		"	1.00		107	80-120				
Vanadium - Dissolved	0.489		"	0.500		97.7	80-120				
Zinc - Dissolved	0.506		"	0.500		101	80-120				

Duplicate (BE80993-DUP1)

*Source sample: 18E0702-01 (053/LMW-5)

Prepared: 05/18/2018 Analyzed: 05/21/2018

Aluminum - Dissolved	ND	0.0556	mg/L		ND						20
Barium - Dissolved	0.372	0.0111	"		0.378				1.53		20
Calcium - Dissolved	224	0.0556	"		224				0.0672		20
Chromium - Dissolved	ND	0.00556	"		ND						20
Cobalt - Dissolved	ND	0.00556	"		ND						20
Copper - Dissolved	0.0108	0.00556	"		0.00556				64.0		20 Non-dir.
Iron - Dissolved	6.96	0.0222	"		7.00				0.542		20
Lead - Dissolved	ND	0.00556	"		ND						20
Magnesium - Dissolved	23.7	0.0556	"		23.9				1.08		20
Manganese - Dissolved	1.02	0.00556	"		1.03				1.32		20
Nickel - Dissolved	ND	0.00556	"		ND						20
Potassium - Dissolved	13.5	0.0556	"		13.0				3.89		20
Silver - Dissolved	ND	0.00556	"		ND						20
Sodium - Dissolved	25.7	0.111	"		25.9				0.678		20
Vanadium - Dissolved	ND	0.0111	"		ND						20
Zinc - Dissolved	0.0184	0.0167	"		0.0225				20.4		20 Non-dir.



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

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

Batch BE80993 - EPA 3015A

Matrix Spike (BE80993-MS1) *Source sample: 18E0702-01 (053/LMW-5) Prepared: 05/18/2018 Analyzed: 05/21/2018

Barium - Dissolved	2.53	0.0111	mg/L	2.22	0.378	96.9	75-125					
Chromium - Dissolved	0.228	0.00556	"	0.222	ND	102	75-125					
Cobalt - Dissolved	0.554	0.00556	"	0.556	ND	99.7	75-125					
Copper - Dissolved	0.280	0.00556	"	0.278	0.00556	98.8	75-125					
Iron - Dissolved	7.86	0.0222	"	1.11	7.00	77.6	75-125					
Lead - Dissolved	0.533	0.00556	"	0.556	ND	95.9	75-125					
Manganese - Dissolved	1.55	0.00556	"	0.556	1.03	93.1	75-125					
Nickel - Dissolved	0.549	0.00556	"	0.556	ND	98.8	75-125					
Silver - Dissolved	0.0575	0.00556	"	0.0556	ND	104	75-125					
Vanadium - Dissolved	0.534	0.0111	"	0.556	ND	96.1	75-125					
Zinc - Dissolved	0.560	0.0167	"	0.556	0.0225	96.8	75-125					



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

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

Batch BE80923 - EPA 3015A

Blank (BE80923-BLK1)

Prepared: 05/17/2018 Analyzed: 05/21/2018

Antimony	ND	0.00111	mg/L										
Arsenic	ND	0.00111	"										
Beryllium	ND	0.00111	"										
Cadmium	ND	0.00111	"										
Selenium	ND	0.00111	"										
Thallium	ND	0.00111	"										

LCS (BE80923-BS1)

Prepared: 05/17/2018 Analyzed: 05/21/2018

Antimony	38.2		ug/L	50.0	76.4	80-120	Low Bias
Arsenic	42.5		"	50.0	85.1	80-120	
Beryllium	46.6		"	50.0	93.2	80-120	
Cadmium	43.6		"	50.0	87.2	80-120	
Selenium	37.8		"	50.0	75.6	80-120	Low Bias
Thallium	50.2		"	50.0	100	80-120	

Batch BE80994 - EPA 3015A

Blank (BE80994-BLK1)

Prepared: 05/18/2018 Analyzed: 05/21/2018

Antimony - Dissolved	ND	0.00111	mg/L				
Arsenic - Dissolved	ND	0.00111	"				
Beryllium - Dissolved	ND	0.00111	"				
Cadmium - Dissolved	ND	0.00111	"				
Selenium - Dissolved	ND	0.00111	"				
Thallium - Dissolved	ND	0.00111	"				

LCS (BE80994-BS1)

Prepared: 05/18/2018 Analyzed: 05/21/2018

Antimony - Dissolved	39.3		ug/L	50.0	78.7	80-120	Low Bias
Arsenic - Dissolved	44.6		"	50.0	89.2	80-120	
Beryllium - Dissolved	45.9		"	50.0	91.8	80-120	
Cadmium - Dissolved	44.6		"	50.0	89.1	80-120	
Selenium - Dissolved	41.1		"	50.0	82.3	80-120	
Thallium - Dissolved	50.5		"	50.0	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 BE80773 - EPA 7473 water											
Blank (BE80773-BLK1) Prepared & Analyzed: 05/15/2018											
Mercury	ND	0.00020	mg/L								
Duplicate (BE80773-DUP1) *Source sample: 18E0702-08 (060/LMW-2) Prepared & Analyzed: 05/15/2018											
Mercury	ND	0.00020	mg/L		ND					20	
Matrix Spike (BE80773-MS1) *Source sample: 18E0702-08 (060/LMW-2) Prepared & Analyzed: 05/15/2018											
Mercury	0.00895		mg/L	0.0100	0.00017	87.8	75-125				
Reference (BE80773-SRM1) Prepared & Analyzed: 05/15/2018											
Mercury	0.00936		mg/L	0.0100		93.6	70-130				
Batch BE80919 - EPA 7473 water											
Blank (BE80919-BLK1) Prepared & Analyzed: 05/17/2018											
Mercury - Dissolved	ND	0.0002000	mg/L								
Reference (BE80919-SRM1) Prepared & Analyzed: 05/17/2018											
Mercury - Dissolved	0.008140		mg/L	0.0100		81.4	70-130				



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 BE80768 - Analysis Preparation											
Blank (BE80768-BLK1)							Prepared & Analyzed: 05/15/2018				
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BE80768-BS1)							Prepared & Analyzed: 05/15/2018				
Chromium, Hexavalent	0.460	0.0100	mg/L	0.500		92.0	80-120				
Duplicate (BE80768-DUP1)							Prepared & Analyzed: 05/15/2018				
*Source sample: 18E0702-08 (060/LMW-2)											
Chromium, Hexavalent	ND	0.0100	mg/L		ND					20	
Matrix Spike (BE80768-MS1)							Prepared & Analyzed: 05/15/2018				
*Source sample: 18E0702-08 (060/LMW-2)											
Chromium, Hexavalent	0.463	0.0100	mg/L	0.500	ND	92.6	75-125				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18E0702-01	053/LMW-5	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0702-02	054/DUP-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0702-03	055/LMW-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0702-04	056/TB-5	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0702-05	057/FB-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0702-06	058/LMW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0702-07	059/LMW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0702-08	060/LMW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



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.
SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
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.
M-SRD1	The serial dilution for this element was outside control limits.
M-MBLk	Analyte was detected in the batch method blank above the Reporting Limit.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-CRL	The RL check for this element recovered outside of control limits.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
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.
GC-SCu	This surrogate recovered below control limits due to extract clean-up required. The alternate surrogate, Decachlorobiphenyl is within control limits.
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.

Revision Description:



York Analytical Laboratories, Inc.
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Field Chain-of-Custody Record

YORK Project No.

18E0702

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.

Page 1 of 1

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	LANGAN	Company:		Company:		YOUR Project Number	100688801	RUSH - Next Day	
Address:	300 Kimball Drive	Address:		Address:		YOUR Project Name	CHRISTIAN CULTURAL CENTER	RUSH - Two Day	
Phone:	Parsippany NJ	Phone:	SAME	Phone:	SAME	YOUR POB:		RUSH - Three Day	
Phone:	973 560 4900	Phone:		Phone:				RUSH - Four Day	
Contact:	A. Forsberg	Contact:		Contact:				Standard (5-7 Day)	<input checked="" type="checkbox"/>
Email:	aforsberg@langan.com	Email:		Email:					
<p>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.</p> <p><i>AKW</i> Samples Collected by: (write your name above and sign below) Allijson Kitzer</p>									
Sample Identification		Matrix Codes	Samples From	Report / EDD Type (circle selections)	Analysis Requested	Container Description	YORK Reg. Comp.		
053	LMN-5	GW	New York	<input checked="" type="checkbox"/> Summary Report	VOC, SVOC, PCB, PEST, TAL + DISS METAL, XCR	4 Amber 3 Picnic	Compared to the following Regulation(s): (please list)		
054	DVP-3	GW	New Jersey	<input type="checkbox"/> QA Report					
055	LMN-6	GW	Connecticut	<input type="checkbox"/> NY ASP A Package					
056	TB-5	AG	Pennsylvania	<input type="checkbox"/> NY ASP B Package					
057	FB-2	AG	Other						
058	LMN-4 LMN-3	GW							
059	LMN-4	GW							
060	LMN-2	GW							
<p>Comments: Sclay firm TAT</p>									
Preservation: (check all that apply)		HCl		MeOH	HNO3	H2SO4	NaOH	ZnAc	Special Instruction
									Field Filtered Lab to Filter
Ascorbic Acid		Other:		Date/Time		Date/Time		Date/Time	
				5/14/18 1600		5/14/18 1600		5/14/18 1916	
Samples Received by / Company		Samples Received by / Company		Samples Received by / Company		Samples Received by / Company		Temp. Received at Lab	
<i>AKW</i>		<i>AKW</i>		<i>AKW</i>		<i>AKW</i>		4.7	

APPENDIX F

Data Usability Summary Reports

989 Lenox Drive Lawrenceville, NJ 08648 T: 609.282.8000
Mailing Address: 989 Lenox Drive Lawrenceville, NJ 08648

To: Brandon Reiner, Langan Senior Staff Engineer

From: Joe Conboy, Langan Staff Chemist

Date: May 27, 2021

Re: Data Usability Summary Report
For 12096 Flatlands Avenue
April 2021 Soil Samples
Langan Project No.: 100688801

This memorandum presents the findings of an analytical data validation from the analysis of soil samples collected in April 2021 by Langan Engineering and Environmental Services at 12096 Flatlands Avenue. The samples were analyzed by York Laboratories, Inc. (NYSDOH NELAP registration # 10854) for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), per- and polyfluoroalkyl substances (PFAS), herbicides, polychlorinated biphenyls (PCBs), pesticides, metals, cyanide (CN), and hexavalent chromium (CrVI) by the methods specified below.

- VOCs by SW-846 Method 8260C
- SVOCs by SW-846 Method 8270D and 8270D selective ion monitoring (SIM)
- PFAS by USEPA Method 537M
- Herbicides by SW-846 Method 8151A
- PCBs by SW-846 Method 8082A
- Pesticides by SW-846 Method 8081B
- Metals by SW-846 Methods 6010D/7473
- Cyanide by SW-846 Method 9014
- Hexavalent Chromium by SW-846 Method 7196A

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, and analytical parameters subject to review.

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Data Usability Summary Report
For 12096 Flatlands Avenue
April 2021 Soil Samples
Langan Project No.: 100688801
May 27, 2021 Page 2 of 14

Validation Overview

This data validation was performed in accordance with the following guidelines, where applicable:

- USEPA Region II Standard Operating Procedure (SOP) #HW-34A, "Trace Volatile Data Validation" (September 2016, Revision 1),
- USEPA Region II SOP #HW-33A, "Low/Medium Volatile Data Validation" (September 2016, Revision 1),
- USEPA Region II SOP #HW-35A, "Semivolatile Data Validation" (September 2016, Revision 1),
- USEPA Region II SOP #HW-17, "Validating Chlorinated Herbicides" (December 2010, Revision 3.1),
- USEPA Region II SOP #HW-37A, "Polychlorinated Biphenyl (PCB) Aroclor Data Validation" (June 2015, Revision 0),
- USEPA Region II SOP #HW-36A, "Pesticide Data Validation" (October 2016, Revision 1),
- USEPA Region II SOP #HW-3a, "ICP-AES Data Validation" (September 2016, Revision 1),
- USEPA Region II SOP #HW-3b, "ICP-MS Data Validation" (September 2016, Revision 1),
- USEPA Region II SOP #HW-3c, "Mercury and Cyanide Data Validation" (September 2016, Revision 1),
- USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020)
- USEPA Contract Laboratory Program "National Functional Guidelines for Inorganic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020), and published analytical methodologies.

EPA Method 537 was developed and validated for the analysis of finished drinking water from surface water and groundwater sources. Laboratories have modified Method 537 to enable the analysis of groundwater and soil, and to incorporate PFAS analytes not currently addressed by the promulgated method. NYSDOH offers certification for PFOA and PFOS in the drinking water category. Non-potable water and soil certification is not available; however, the method describes acceptable modifications. EPA recommends that modified methods be assessed relative to project goals and data quality objectives.

Validation includes review of the analytical data to verify that they are easily traceable and sufficiently complete to permit logical reconstruction by a qualified individual other than the originator. Items subject to review in this memorandum may include:

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- holding times
- sample preservation
- sample extraction and digestion
- instrument tuning
- instrument calibration
- laboratory blanks
- laboratory control samples
- surrogates
- internal standards
- isotope dilutions
- matrix spike/spike duplicate recoveries
- target compound identification and quantification
- chromatograms
- overall system performance
- serial dilutions
- dual column performance
- field duplicates
- trip blanks
- field blanks

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA guidelines and our best professional judgment:

- R** – The sample results are unusable because certain criteria were not met when generating the data. The analyte may or may not be present in the sample.
- J** – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** – The analyte was not detected at a level greater than or equal to the reporting limit; however, the reported reporting limit is approximate and may be inaccurate or imprecise.
- U** – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
- NJ** – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned, these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are considered invalid and are not technically usable for data interpretation. Data that is otherwise qualified because of minor data-quality anomalies are usable, as qualified in Table 2 (attached).

The following acronyms may be used in the discussion of data-quality issues:

%D	Percent Difference	MB	Method Blank
CCV	Continuing Calibration Verification	MDL	Method Detection Limit
FB	Field Blank	MS	Matrix Spike
FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit
ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

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MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

VOCs by SW-846 Method 8260C

21D0604

The TB (078_TB-7) exhibited detections of acetone (1.35 ug/l) of tert-butyl alcohol (1.02 ug/l). The associated acetone results in samples 063_LSB-22A, 069_LSB-23A, and 070_LSB-23B are qualified as U at the higher of the sample concentration and the reporting limit based on potential blank contamination. The associated results above 2x the RL did not require qualification.

The MB for batch BD10743 exhibited a detection of chloroform (0.0031 mg/kg). The associated results in samples 063_LSB-22A, 064_LSB-22B, 065_LSB-22C, 066_LSB-21A, 067_LSB-21B, 068_LSB-21C, 069_LSB-23A, 070_LSB-23B, 071_LSB-23C, 073_LSB-26B, 074_LSB-25A, 075_LSB-25B, and 076_LSB-25C are qualified as U at the reporting limit based on potential blank contamination.

The ICAL for instrument QVOA4 exhibited a RF below the control limit for acrolein (0.98%). The associated results in samples 063_LSB-22A, 064_LSB-22B, 065_LSB-22C, 066_LSB-21A, 067_LSB-21B, 068_LSB-21C, 069_LSB-23A, 070_LSB-23B, 071_LSB-23C, 073_LSB-26B, 074_LSB-25A, 075_LSB-25B, and 076_LSB-25C are qualified as UJ based on potential indeterminate bias.

The ICAL for instrument QVOA1 exhibited RFs below the control limit for 1,4-dioxane (0.978) and acrolein (0.985). The associated results in sample 072_LSB-26A are qualified as UJ based on potential indeterminate bias.

The CCV analyzed on 4/14/2021 at 10:09 exhibited %Ds above the control limit for 1,1,2-trichloro-1,2,2-trifluoroethane (-23.6%), 1,1-dichloroethene (-22.9%), 2,2-dichloropropane (-23.2%), acetone (-34.5%), acrolein (-89.3%), chloroethane (-30.5%), chloromethane (-24.8%), 2-butanone (-29.8%), tert-butyl alcohol (-21%), tetrachloroethene (25%), trichlorofluoromethane (-26.8%), and vinyl chloride (-22.3%). The associated results in samples 063_LSB-22A, 064_LSB-22B,

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Data Usability Summary Report
For 12096 Flatlands Avenue
April 2021 Soil Samples
Langan Project No.: 100688801
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065_LSB-22C, 066_LSB-21A, 067_LSB-21B, 068_LSB-21C, 069_LSB-23A, 070_LSB-23B, 071_LSB-23C, 073_LSB-26B, 074_LSB-25A, 075_LSB-25B, and 076_LSB-25C are qualified as J or UJ based on potential indeterminate bias.

The CCV analyzed on 4/15/2021 at 17:17 exhibited %Ds above the control limit for acetone (-25.7%), acrolein (26%), and 2-butanone (-27.4%). The associated results in sample 072_LSB-26A are qualified as J or UJ based on potential indeterminate bias.

21D0652

The ICAL for instrument QVOA4 exhibited a RF below the control limit for acrolein (0.98). The associated result in sample 081_LSB-26C is qualified as UJ based on potential indeterminate bias.

The CCV analyzed on 4/14/2021 at 10:09 exhibited %Ds above the control limit for 1,1,2-trichloro-1,2,2-trifluoroethane (-23.6%), 1,1-dichloroethene (-22.9%), 2,2-dichloropropane (-23.2%), acetone (-34.5%), acrolein (-89.3%), chloroethane (-30.5%), chloromethane (-24.8%), 2-butanone (-29.8%), tert-butyl alcohol (-21%), tetrachloroethene (25%), trichlorofluoromethane (-26.8%), and vinyl chloride (-22.3%). The associated results in sample 081_LSB-26C are qualified as J or UJ based on potential indeterminate bias.

The MB for batch BD10743 exhibited a detection of chloroform (0.0031 mg/kg). The associated result in sample 081_LSB-26C is qualified as U at the reporting limit based on potential blank contamination.

21D0750

The ICAL for instrument QVOA4 exhibited a RF below the control limit for acrolein (0.98%). The associated results in samples 082_LSB-24A, 083_LSB-24B, 084_LSB-24C, 085_LSB-27A, 086_DUP-4, 087_LSB-27B, and 088_LSB-27C are qualified as UJ based on potential indeterminate bias.

The CCV analyzed on 4/21/2021 at 09:21 exhibited %Ds above the control limit for 1,1,2-trichloro-1,2,2-trifluoroethane (-29.8%), 1,1-dichloroethene (-30.5%), 2,2-dichloropropane (-23.2%), acetone (-29.7%), acrolein (-83.8%), bromomethane (-21.6%), chloroethane (-30.9%), chloromethane (-31.2%), dichlorodifluoromethane (-26%), tetrachloroethene (76.1%), trichlorofluoromethane (-28.5%), and vinyl chloride (-27.4%). The associated results in samples 082_LSB-24A, 083_LSB-24B, 084_LSB-24C, 085_LSB-27A, 086_DUP-4, 087_LSB-27B, and 088_LSB-27C are qualified as J or UJ based on potential indeterminate bias.

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The TB (090_TB-9) exhibited a detection of methylene chloride (6.91 ug/l). The associated results in samples 082_LSB-24A, 083_LSB-24B, and 087_LSB-27B are qualified as U at the reporting limit based on potential blank contamination.

SVOCs by SW-846 Method 8270D and 8270D SIM

21D0604

The ICAL for instrument BNA#1 exhibited a RSD above the control limit for benzidine (20.3%). The associated results in samples 063_LSB-22A, 064_LSB-22B, 065_LSB-22C, 066_LSB-21A, 067_LSB-21B, 068_LSB-21C, 069_LSB-23A, 070_LSB-23B, 071_LSB-23C, 072_LSB-26A, 073_LSB-26B, 074_LSB-25A, 075_LSB-25B, and 076_LSB-25C are qualified as UJ based on potential indeterminate bias.

The CCV analyzed on 4/19/2021 at 14:19 exhibited %Ds above the control limit for 2,4-dinitrophenol (42.1%) and bis(2-chloroisopropyl)ether (37.4%). The associated results in samples 063_LSB-22A, 064_LSB-22B, 065_LSB-22C, 066_LSB-21A, 067_LSB-21B, 068_LSB-21C, 069_LSB-23A, 070_LSB-23B, 071_LSB-23C, 072_LSB-26A, 073_LSB-26B, 074_LSB-25A, 075_LSB-25B, and 076_LSB-25C are qualified as UJ based on potential indeterminate bias.

Sample 064_LSB-22B exhibited percent recoveries below the LCL for the surrogates phenol-d5 (21.6%) and 2-fluorophenol (18%). The associated acid fraction results are qualified as UJ based on potential low bias.

21D0652

The ICV analyzed on 4/13/2021 at 17:25 exhibited a %D above the control limit for 2,6-dinitrotoluene (32.7%). The associated result in sample 081_LSB-26C is qualified as UJ based on potential indeterminate bias.

The CCV analyzed on 4/20/2021 at 14:15 exhibited %Ds above the control limit for 2,3,4,6-tetrachlorophenol (30.1%), 2,4,6-trichlorophenol (22.2%), 2,4-dinitrophenol (118%), 2,4-dinitrotoluene (58.8%), 2,6-dinitrotoluene (53.5%), 2-nitroaniline (42.7%), 2-nitrophenol (39.9%), 3,3'-dichlorobenzidine (-40.3%), 3-nitroaniline (40.1%), 4,6-dinitro-2-methylphenol (105%), 4-nitroaniline (31.6%), benzyl butyl phthalate (26%), di-n-octyl phthalate (26.8%), and hexachlorocyclopentadiene (27.6%). The associated results in sample 081_LSB-26C are qualified as UJ based on potential indeterminate bias.

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21D0750

The ICAL for instrument MSBNA9 exhibited RSDs above the control limit for 2,4-dinitrophenol (33.1%), 4,6-dinitro-2-methylphenol (29.5%), and di-n-octyl phthalate (23.3%). The associated results in samples 082_LSB-24A, 083_LSB-24B, 084_LSB-24C, 085_LSB-27A, 086_DUP-4, 087_LSB-27B, and 088_LSB-27C are qualified as UJ based on potential indeterminate bias.

The ICV analyzed on 4/7/2021 at 16:51 exhibited %Ds above the control limit for 2,4-dinitrophenol (40.1%) and 2-nitrophenol (31.3%). The associated results in samples 082_LSB-24A, 083_LSB-24B, 084_LSB-24C, 085_LSB-27A, 086_DUP-4, 087_LSB-27B, and 088_LSB-27C are qualified as UJ based on potential indeterminate bias.

The CCV analyzed on 4/21/2021 at 13:56 exhibited %Ds above the control limit for 2,3,4,6-tetrachlorophenol (43.7%), 2,4-dinitrophenol (108%), 2,4-dinitrotoluene (61.7%), 2,6-dinitrotoluene (55.8%), 2-nitroaniline (46.9%), 2-nitrophenol (43.5%), 3,3'-dichlorobenzidine (-46.8%), 3-nitroaniline (54.1%), 4,6-dinitro-2-methylphenol (102%), 4-nitroaniline (38.5%), 4-nitrophenol (40.9%), benzoic acid (37.4%), benzyl butyl phthalate (40.7%), bis(2-ethylhexyl) phthalate (43.8%), caprolactam (47.6%), and di-n-octyl phthalate (69.2%). The associated results in samples 082_LSB-24A, 083_LSB-24B, 084_LSB-24C, 085_LSB-27A, 086_DUP-4, 087_LSB-27B, and 088_LSB-27C are qualified as J or UJ based on potential indeterminate bias.

Sample 082_LSB-24A exhibited a percent recovery below the LCL for the surrogate 1,4-dioxane-d8 (36%). The associated results is qualified as UJ based on potential low bias.

PCBs by SW-846 Method 8082A

21D0604

Sample 072_LSB-26A exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (124%). The associated results are qualified as J based on potential high bias. The associated non-detects did not require qualification.

21D0750

Samples 082_LSB-24A, 083_LSB-24B, and 084_LSB-24C exhibited a percent recoveries below the LCL for the surrogate decachlorobiphenyl (24%, 25.5%, and 16%, respectively). The associated results are qualified as UJ based on potential low bias.

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Pesticides by SW-846 Method 8081B

21D0750

Sample 082_LSB-24A exhibited a percent recovery below the LCL for the surrogate tetrachloro-m-xylene (29.3%). The associated results are qualified as UJ based on potential low bias.

Sample 084_LSB-24C exhibited a percent recovery below the LCL for the surrogate decachlorobiphenyl (29.4%). The associated results are qualified as UJ based on potential low bias.

Metals by SW-846 Method 6010D/7473

21D0604

The ICV analyzed on 4/19/2021 at 10:27 exhibited percent recoveries above the control limit for antimony (117%) and selenium (114%). The associated detected results in samples 063_LSB-22A, 064_LSB-22B, 065_LSB-22C, 066_LSB-21A, 067_LSB-21B, 068_LSB-21C, 069_LSB-23A, 070_LSB-23B, 071_LSB-23C, 072_LSB-26A, 073_LSB-26B, 074_LSB-25A, 075_LSB-25B, and 076_LSB-25C are qualified as J based on potential indeterminate bias.

The CCVs analyzed on 4/19/2021 exhibited percent recoveries above the control limit for selenium (111% to 113%). The associated detected results in sample 070_LSB-23B are qualified as J based on potential indeterminate bias. Non-detected results do not require qualification.

21D0750

The ICV analyzed on 4/21/2021 at 09:58 exhibited percent recoveries above the control limit for antimony (111%) and selenium (112%). The associated detected results in samples 082_LSB-24A, 083_LSB-24B, 084_LSB-24C, 085_LSB-27A, 086_DUP-4, 087_LSB-27B, and 088_LSB-27C are qualified as J based on potential indeterminate bias. Non-detected results do not require qualification.

The CCV analyzed on 4/21/2021 at 14:44 exhibited percent recoveries above the control limit for sodium (111%). The associated results in samples 082_LSB-24A and 083_LSB-24B are qualified as J based on potential indeterminate bias.

The CCV analyzed on 4/21/2021 at 15:17 exhibited percent recoveries below the control limit for antimony (87.7%). The associated results in samples 082_LSB-24A, 083_LSB-24B, 084_LSB-24C, 085_LSB-27A, 086_DUP-4, 087_LSB-27B, and 088_LSB-27C are qualified as UJ based on potential indeterminate bias.

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The MS/MSD performed on sample 082_LSB-24A exhibited percent recoveries outside of control limits for aluminum (-235%), antimony (32.4%), barium (143%), calcium (287%), iron (2210%), lead (-1700%), magnesium (-278%), manganese (127%), potassium (50.4%), selenium (67.1%), and sodium (168%). The associated antimony, barium, selenium, and sodium results are qualified J or UJ based on the potential bias. The associated results for aluminum, calcium, iron, lead, magnesium, manganese, and potassium in the parent sample are >4X the spiked amount. No qualification is necessary.

The post-digestion spike performed on sample 082_LSB-24A exhibited percent recoveries below the LCL for aluminum (58.1%), calcium (-79.6%), iron (-622%), lead (19.9%), silver (72.9%), and zinc (74.2%). The associated silver results are qualified UJ based on potential low bias. The associated aluminum, calcium, iron, lead, and zinc results in the parent sample are >4X the spiked amount. No qualification is necessary.

The laboratory duplicate and parent sample (082_LSB-24A) exhibited RPDs above the control limit for lead (82.1%) and sodium (50.5%). The associated results are qualified as J based on potential indeterminate bias.

The serial dilution performed on sample 082_LSB-24A exhibited RPDs above the control limit for arsenic (26.2%), barium (21.4%), chromium (22.5%), cobalt (18.3%), copper (16%), iron (22.8%), magnesium (13.5%), manganese (22.4%), nickel (37.5%), vanadium (25.3%), and zinc (23.3%). The associated results are qualified as J based on potential indeterminate bias.

Hexavalent Chromium by SW-846 Method 7196A

21D0652

The MS/MSD performed on sample 081_LSB-26C exhibited a percent recovery below the LCL for hexavalent chromium (9.6%, 6%). The associated result in sample 081_LSB-26C is qualified as UJ based on potential low bias.

21D0750

The MS/MSD performed on sample 082_LSB_24A exhibited a percent recovery below the LCL for hexavalent chromium (0%, 0%). The associated result in sample 082_LSB_24A is qualified as UJ based on potential low bias.

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Cyanide by SW-846 Method 9014

21D0750

The MS/MSD performed on sample 082_LSB-24A exhibited a percent recovery below the LCL for cyanide (73.9%). The associated result in sample 082_LSB-24A is qualified as UJ based on potential low bias.

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. The section below describes the other deficiencies that were identified.

VOCs by SW-846 Method 8260C

21D0750

The TB (080_TB-8) exhibited a detection of methylene chloride (6.08 ug/L). The associated results are non-detections. No qualification is necessary.

The FB (0789_FB-4) exhibited a detection of methylene chloride (1.67 ug/L). The associated results are non-detections. No qualification is necessary.

The MS/MSD performed on sample 082_LSB-24A exhibited a percent recovery below the LCL for multiple compounds. Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

SVOCs by SW-846 Method 8270D and 8270D SIM

21D0604

The surrogate 2,4,6-tribromophenol recoveries are outside of control limits for samples 065_LSB-22C (131%), 067_LSB-21B (141%), 068_LSB-21C (135%), 071_LSB-23C (126%), 073_LSB-26B (130%), 074_LSB-25A (115%), and 075_LSB-25B (128%). No more than one surrogate from a single fraction were recovered outside of the control limits. No qualification is necessary

Sample 070_LSB-23B exhibited a percent recovery below the LCL for the surrogate 2-fluorophenol (14%). No more than one surrogate from a single fraction was recovered outside of the control limits. No qualification is necessary.

21D0652

The FB (079_FB-4) exhibited detections of fluorene (0.303 ug/L) and pyrene (0.0727 ug/L). The associated results are >10X the contamination. No qualification is necessary.

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21D0750

The LCS for batch BD11032 exhibited percent recoveries above the UCL for 2,6-dinitrotoluene (130%), 2-nitrophenol (134%), 4,6-dinitro-2-methylphenol (155%), atrazine (117%), and caprolactam (165%). The associated results are non-detections. No qualification is necessary.

The MS/MSD performed on sample 082_LSB-24A exhibited a percent recovery below the LCL for multiple compounds. Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

Sample 084_LSB-24C exhibited a percent recovery above the UCL for the surrogate nitrobenzene-d5 (112%). No more than one surrogate from a single fraction was recovered outside of the control limits. No qualification is necessary.

PCBs by SW-846 Method 8082A

21D0750

The MS/MSD performed on sample 082_LSB-24A exhibited a percent recovery below the LCL for multiple compounds. Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

Pesticides by SW-846 Method 8081B

21D0604

The MS performed on sample 066_LSB-21A exhibited a percent recovery below the LCL for alpha-chlordane (28.4%). Organic results are not qualified on the basis of MS recoveries alone. No qualification is necessary.

PFAS by USEPA Method 537M

21D0604

Sample 063_LSB-22A exhibited percent recoveries above the UCL for the surrogates M2-8:2FTS (276%) and M2-6:2FTS (190%). The associated results are non-detections. No qualification is necessary.

Sample 064_LSB-22B exhibited percent recoveries above the UCL for the surrogates M2-6:2FTS (258%) and M2-8:2FTS (334%). The associated results are non-detections. No qualification is necessary.

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Sample 065_LSB-22C exhibited percent recoveries above the UCL for the surrogates M2-8:2FTS (355%) and M2-6:2FTS (369%). The associated results are non-detections. No qualification is necessary.

Sample 066_LSB-21A exhibited a percent recovery above the UCL for the surrogate M2-8:2FTS (187%). The associated results are non-detections. No qualification is necessary.

Sample 067_LSB-21B exhibited a percent recovery above the UCL for the surrogate M2-6:2FTS (213%). The associated results are non-detections. No qualification is necessary.

Sample 069_LSB-23A exhibited percent recoveries above the UCL for the surrogates M2-6:2FTS (215%) and M2-8:2FTS (266%). The associated results are non-detections. No qualification is necessary.

Sample 070_LSB-23B exhibited percent recoveries above the UCL for the surrogates M2-8:2FTS (235%) and d5-N-EtFOSAA (151%). The associated results are non-detections. No qualification is necessary.

Sample 071_LSB-23C exhibited percent recoveries above the UCL for the surrogates M2-6:2FTS (336%) and M2-8:2FTS (307%). The associated results are non-detections. No qualification is necessary.

Sample 072_LSB-26A exhibited percent recoveries above the UCL for the surrogates M2-6:2FTS (212%) and M2-8:2FTS (269%). The associated results are non-detections. No qualification is necessary.

Sample 073_LSB-26B exhibited percent recoveries above the UCL for the surrogates M2-6:2FTS (223%) and M2-8:2FTS (308%). The associated results are non-detections. No qualification is necessary.

Sample 075_LSB-25B exhibited percent recoveries above the UCL for the surrogates M2-6:2FTS (172%) and M2-8:2FTS (230%). The associated results are non-detections. No qualification is necessary.

21D0652

Sample 081_LSB-26C exhibited a percent recovery above the UCL for the surrogate M2-8:2FTS (161%). The associated results are non-detections. No qualification is necessary.

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21D0750

Samples 082_LSB-24A, 084_LSB-24C, 085_LSB-27A, 086_DUP-4, 087_LSB-27B, and 088_LSB-27C exhibited a percent recoveries above the UCL for the surrogate M2-6:2FTS (197%, 164%, 214%, 237%, 264%, and 213%, respectively). The associated results are non-detections. No qualification is necessary.

Samples 082_LSB-24A, 083_LSB-24B, 084_LSB-24C, 085_LSB-27A, 086_DUP-4, 087_LSB-27B, and 088_LSB-27C exhibited a percent recovery above the UCL for the surrogate M2-8:2FTS (241%, 181%, 156%, 287%, 281%, 273%, and 251%, respectively). The associated results are non-detections. No qualification is necessary.

Metals by SW-846 Method 6010D/7473

21D0604

The MB for batch BD10772 exhibited a detection of potassium (12.4 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

21D0652

The MB for batch BD10877 exhibited detections of potassium (11.9 mg/kg) and calcium (10.7 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

The FB (0789_FB-4) exhibited a detection of potassium (0.0653 mg/L). The associated results are >10X the contamination. No qualification is necessary.

21D0750

The MB for batch BD10954 exhibited detections of potassium (10.6 mg/kg) and calcium (6.59 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

FIELD DUPLICATE:

One field duplicate and parent sample pairs were collected and analyzed for all parameters. For results less than 5X the RL, analytes meet the precision criteria if the absolute difference is less than $\pm 2X$ the RL. For results greater than 5X the RL, analytes meet the precision criteria if the RPD is less than or equal to 30% for soil. The following field duplicate and parent sample pairs were compared to the precision criteria:

- 086_DUP-4 and 085_LSB-27A

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CONCLUSION:

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



Joe Conboy
Staff Chemist

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To: Amanda Forsburg, Langan Senior Project Scientist

From: Joe Conboy, Langan Staff Chemist

Date: May 26, 2021

Re: Data Usability Summary Report
For 12096 Flatlands Avenue
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This memorandum presents the findings of an analytical data validation from the analysis of groundwater samples collected in April 2021 by Langan Engineering and Environmental Services at 12096 Flatlands Avenue. The samples were analyzed by York Laboratories, Inc. (NYSDOH NELAP registration # 10854) for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), per- and polyfluoroalkyl substances (PFAS), herbicides, polychlorinated biphenyls (PCBs), pesticides, total and dissolved metals, cyanide (CN), and hexavalent chromium (CrVI) by the methods specified below.

- VOCs by SW-846 Method 8260C
- SVOCs by SW-846 Method 8270D and 8270D selective ion monitoring (SIM)
- PFAS by USEPA Method 537M
- Herbicides by SW-846 Method 8151A
- PCBs by SW-846 Method 8082A
- Pesticides by SW-846 Method 8081B
- Total and Dissolved Metals by SW-846 Methods 6010D/6020B/7470A
- Cyanide by SM 4500 CN C/E
- Hexavalent Chromium by SW-846 Method 7196A

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, and analytical parameters subject to review.

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Validation Overview

This data validation was performed in accordance with the following guidelines, where applicable:

- USEPA Region II Standard Operating Procedure (SOP) #HW-34A, "Trace Volatile Data Validation" (September 2016, Revision 1),
- USEPA Region II SOP #HW-33A, "Low/Medium Volatile Data Validation" (September 2016, Revision 1),
- USEPA Region II SOP #HW-35A, "Semivolatile Data Validation" (September 2016, Revision 1),
- USEPA Region II SOP #HW-17, "Validating Chlorinated Herbicides" (December 2010, Revision 3.1),
- USEPA Region II SOP #HW-37A, "Polychlorinated Biphenyl (PCB) Aroclor Data Validation" (June 2015, Revision 0),
- USEPA Region II SOP #HW-36A, "Pesticide Data Validation" (October 2016, Revision 1),
- USEPA Region II SOP #HW-3a, "ICP-AES Data Validation" (September 2016, Revision 1),
- USEPA Region II SOP #HW-3b, "ICP-MS Data Validation" (September 2016, Revision 1),
- USEPA Region II SOP #HW-3c, "Mercury and Cyanide Data Validation" (September 2016, Revision 1),
- USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020)
- USEPA Contract Laboratory Program "National Functional Guidelines for Inorganic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020), and published analytical methodologies.

EPA Method 537 was developed and validated for the analysis of finished drinking water from surface water and groundwater sources. Laboratories have modified Method 537 to enable the analysis of groundwater and soil, and to incorporate PFAS analytes not currently addressed by the promulgated method. NYSDOH offers certification for PFOA and PFOS in the drinking water category. Non-potable water and soil certification is not available; however, the method describes acceptable modifications. EPA recommends that modified methods be assessed relative to project goals and data quality objectives.

Validation includes review of the analytical data to verify that they are easily traceable and sufficiently complete to permit logical reconstruction by a qualified individual other than the originator. Items subject to review in this memorandum may include:

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- holding times
- sample preservation
- sample extraction and digestion
- instrument tuning
- instrument calibration
- laboratory blanks
- laboratory control samples
- surrogates
- internal standards
- isotope dilutions
- matrix spike/spike duplicate recoveries
- target compound identification and quantification
- chromatograms
- overall system performance
- serial dilutions
- dual column performance
- field duplicates
- trip blanks
- field blanks

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA guidelines and our best professional judgment:

- R** – The sample results are unusable because certain criteria were not met when generating the data. The analyte may or may not be present in the sample.
- J** – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** – The analyte was not detected at a level greater than or equal to the reporting limit; however, the reported reporting limit is approximate and may be inaccurate or imprecise.
- U** – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
- NJ** – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned, these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are considered invalid and are not technically usable for data interpretation. Data that is otherwise qualified because of minor data-quality anomalies are usable, as qualified in Table 2 (attached).

The following acronyms may be used in the discussion of data-quality issues:

%D	Percent Difference	MB	Method Blank
CCV	Continuing Calibration Verification	MDL	Method Detection Limit
FB	Field Blank	MS	Matrix Spike
FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit
ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

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MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

VOCs by SW-846 Method 8260C

21D1189

The FB (104_FB-1) exhibited a detection of acetone (1.40 ug/l) and tert-butyl alcohol (0.920 ug/L). The associated acetone result in sample 110_LMW-10 is qualified as U at the reporting limit based on potential blank contamination. The associated tert-butyl alcohol results for samples 102_LMW-7, 103-DUP-1, and 107_LMW-14 are qualified J based on the blank contamination. The associated results that are greater than the 2x the contamination or non-detects are not qualified based on professional judgment.

The MB for batch BD11466 exhibited a detection of 4-methyl-2-pentanone (0.440 ug/l). The associated result in sample 111_LMW-13 is qualified as U at the reporting limit based on potential blank contamination. Other associated results are non-detections, so no qualification is required.

The CCV analyzed on 4/27/2021 at 10:19 exhibited %Ds above the control limits for 2-hexanone (20.3%), bromomethane (-28%), hexachlorobutadiene (26.2%), and n-butylbenzene (21.5%). The associated results in samples 101_LMW-8, 102_LMW-7, 103_DUP-1, 105_LMW-5, 106_LMW-9, 107_LMW-14, 108_LMW-12, 109_LMW-11, 110_LMW-10, and 111_LMW-13 are qualified as UJ based on potential indeterminate bias.

SVOCs by SW-846 Method 8270D and 8270D SIM

21D1189

The ICAL for instrument BNA#6 exhibited RSDs above the control limits for 2,4-dinitrophenol (28.6%), 4,6-dinitro-2-methylphenol (21.5%), benzaldehyde (24.5%), and benzidine (33.8%). The associated results in samples 101_LMW-8, 102_LMW-7, 103_DUP-1, 105_LMW-5, 106_LMW-9, 107_LMW-14, 108_LMW-12, 109_LMW-11, 110_LMW-10, and 111_LMW-13 are qualified as UJ based on potential indeterminate bias.

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The ICAL for instrument BNA#5 exhibited a RSD above the control limit for benzo(a)anthracene (20.39%). The associated results in samples 101_LMW-8, 102_LMW-7, 103_DUP-1, 105_LMW-5, 106_LMW-9, 107_LMW-14, 108_LMW-12, 109_LMW-11, 110_LMW-10, and 111_LMW-13 are qualified as UJ based on potential indeterminate bias.

The ICV analyzed on 3/23/2021 at 18:29 exhibited %Ds above the control limit for benzo(g,h,i)perylene (70%), bis(2-ethylhexyl)phthalate (60%), dibenzo(a,h)anthracene (65%), indeno(1,2,3-cd)pyrene (54%), and pentachlorophenol (49%). The associated results in samples 101_LMW-8, 102_LMW-7, 103_DUP-1, 105_LMW-5, 106_LMW-9, 107_LMW-14, 108_LMW-12, 109_LMW-11, 110_LMW-10, and 111_LMW-13 are qualified as J or UJ based on potential indeterminate bias.

The CCV analyzed on 4/29/2021 at 17:19 exhibited %Ds above the control limit for 2,4-dinitrophenol (21.5%), benzidine (-32.2%), caprolactam (21.1%), and hexachlorocyclopentadiene (-27.9%). The associated results in samples 101_LMW-8, 102_LMW-7, 103_DUP-1, 105_LMW-5, 106_LMW-9, and 107_LMW-14 are qualified as UJ based on potential indeterminate bias.

The CCV analyzed on 4/30/2021 at 09:09 exhibited %Ds above the control limit for 1,2,4-trichlorobenzene (-24.1%) and benzaldehyde (-52%). The associated results in samples 108_LMW-12, 109_LMW-11, 110_LMW-10, and 111_LMW-13 are qualified as UJ based on potential indeterminate bias.

The LCS for batch BD11424 exhibited a percent recovery below the LCL for benzoic acid (10.3%). The associated results in samples 101_LMW-8, 102_LMW-7, 103_DUP-1, 105_LMW-5, 106_LMW-9, 107_LMW-14, 108_LMW-12, 109_LMW-11, 110_LMW-10, and 111_LMW-13 are qualified as UJ based on potential low bias.

The FB (104_FB-1) exhibited a detection of fluorene (0.284 ug/l) and pyrene (0.0737 ug/l). The associated fluorene results in samples 101_LMW-8, 107_LMW-14, and 108_LMW-12 are qualified as U at the sample concentration or J based on potential blank contamination. The associated results in samples 102_LMW-7, 103_DUP-1, 105_LMW-5, 110_LMW-10, and 111_LMW-13 are qualified J based on professional judgment. The associated pyrene result for sample 101_LMW-8 is qualified J based on the blank contamination. The associated pyrene results that are greater than the 2x the contamination or are non-detects are not qualified based on professional judgment.

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Pesticides by SW-846 Method 8081B

21D1189

Sample 103_DUP-1 exhibited a percent recovery below the LCL for the surrogate tetrachloro-m-xylene (26.3%). The associated results in sample 103_DUP-1 are qualified as UJ based on potential low bias.

PFAS by USEPA Method 537M

21D1189

The CCV analyzed on 4/29/2021 at 21:21 exhibited a %D above the control limit for PFDoA (-31.2%). The associated results in samples 101_LMW-8, 102_LMW-7, 103_DUP-1, 105_LMW-5, 106_LMW-9, 107_LMW-14, 108_LMW-12, 109_LMW-11, 110_LMW-10, and 111_LMW-13 are qualified as UJ based on potential indeterminate bias.

The CCV analyzed on 4/30/2021 at 00:41 exhibited a %D above the control limit for N-MeFOSAA (-30.8%). The associated results in samples 105_LMW-5, 106_LMW-9, 107_LMW-14, 108_LMW-12, 109_LMW-11, 110_LMW-10, and 111_LMW-13 are qualified as UJ based on potential indeterminate bias.

Sample 101_LMW-8 exhibited percent recoveries outside of control limits for the surrogates M6-PFDA (169%), M7-PFUdA (160%), M-PFDoA (157%), MPBFA (5.71%), M8-PFOS (167%), M2-6:2FTS (261%), and d5-NEtFOSAA (185%). The associated results in sample 101_LMW-8 are qualified as J based on potential bias, non-detected results do not require qualification.

Sample 105_LMW-5 exhibited percent recoveries outside of control limits for the surrogates MPFBA (14.6%), M2-8:2FTS (167%), and M2-6:2FTS (172%). The associated PFBA results is qualified J based on the potential low bias. The associated 8:2FTS and 6:2FTS results are non-detections. No qualification is necessary.

Sample 106_LMW-9 exhibited percent recoveries outside of control limits for the surrogates M3-PFHxS (181%), M6-PFDA (216%), M7-PFUdA (237%), MPFDoA (207%), M2PFTeDA (172%), MPFBA (5.65%), M8PFOS (253%), M5-PFPeA (22.9%), d5-N-EtFOSAA (252%), M2-6:2FTS (306%), M2-8:2FTS (159%), and M9-PFNA (166%). The associated results are qualified as J or UJ based on potential bias. Non-detect results associated with surrogates recoveries above control limits did not require qualification.

Sample 108_LMW-12 exhibited percent recoveries outside of control limits for the surrogates M3-PFHxS (171%), M6-PFDA (159%), M7-PFUdA (163%), MPFDoA (164%), M2-PFTeDA

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Data Usability Summary Report
For 12096 Flatlands Avenue
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(157%), MPFBA (14.5%), M8-PFOS (219%), M2-6:2FTS (294%), and M2-8:2FTS (129%). The associated PFBA, PFHxS, and PFOS results are qualified as "J" based on potential bias. Non-detect results associated with surrogates recoveries above control limits did not require qualification.

Sample 109_LMW-11 exhibited percent recoveries outside of control limits for the surrogates MPFBA (21.3%), M2-6:2FTS (210%), and M2-8:2FTS (123%). The associated PFBA results are qualified as J based on potential low bias. The associated 6:2FTS and 8:2FTS results are non-detections, so no qualification is necessary.

Sample 110_LMW-10 exhibited percent recoveries outside of control limits for the surrogates MPFBA (17.9%), M8PFOS (153%), M2-6:2FTS (219%), and M2-8:2FTS (227%). The associated PFBA and PFOS results are qualified as "J" based on potential high bias. The associated 6:2FTS and 8:2FTS results are non-detections, so no qualification is necessary.

Total and Dissolved Metals by SW-846 Method 6010D/6020B/7470A

21D1189

The CCV analyzed on 4/29/2021 at 12:45 exhibited percent recoveries outside of the control limits for dissolved antimony (77.8%), dissolved beryllium (66.3%), dissolved cadmium (58.5%), dissolved selenium (119%), and dissolved thallium (117%). The associated results in samples 101_LMW-8, 102_LMW-7, 103_DUP-1, 105_LMW-5, 106_LMW-9, 107_LMW-14, 108_LMW-12, 109_LMW-11, and 110_LMW-10 are qualified as UJ based on potential indeterminate bias.

The CCV analyzed on 4/29/2021 at 13:26 exhibited percent recoveries outside of the control limits for dissolved antimony (68.8%), dissolved beryllium (62.6%), dissolved cadmium (51.5%), and dissolved selenium (111%). The associated results in sample 111_LMW-13 are qualified as UJ based on potential indeterminate bias.

The MB for batch BD11444 exhibited a detection of total selenium (0.00139 mg/l). The associated results in samples 101_LMW-8, 102_LMW-7, and 103_DUP-1 are qualified J based on potential blank contamination. Associated results in the other samples are non-detects, so qualification is not required.

The LCS for batch BD11444 exhibited a percent recovery below the LCL for total cadmium (76%). The associated results in samples 101_LMW-8, 102_LMW-7, 103_DUP-1, 105_LMW-5,

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106_LMW-9, 107_LMW-14, 108_LMW-12, 109_LMW-11, 110_LMW-10, and 111_LMW-13 are qualified as UJ based on potential low bias.

The MS performed on sample 101_LMW-8 exhibited percent recoveries below the LCL for dissolved antimony (74.7%), dissolved beryllium (48.9%), and dissolved cadmium (59.6%). The associated results in sample 101_LMW-8 are qualified as UJ based on potential low bias.

The MS performed on sample 101_LMW-8 exhibited a percent recovery below the LCL for total beryllium (67%). The associated results in sample 101_LMW-8 are qualified as UJ based on potential low bias.

The laboratory duplicate and parent sample (101_LMW-8) exhibited a RPD above the control limit for total arsenic (21.3%). The associated results are qualified as J based on potential indeterminate bias.

The post-digestion spike performed on sample 101_LMW-8 exhibited percent recoveries outside of control limits for dissolved calcium (7.36%), dissolved magnesium (175%), dissolved potassium (-18.8%), dissolved silver (67.3%), and dissolved sodium (22.6%). The associated dissolved silver result is qualified UJ based on potential low bias. The other associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

The post-digestion spike performed on sample 101_LMW-8 exhibited percent recoveries outside of control limits for total calcium (7.84%), total potassium (140%), total silver (64.7%), and total sodium (-203%). The associated total silver result is qualified UJ based on potential low bias. The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

Cyanide by SM 4500 CN C/E

21D1189

The MS performed on sample 101_LMW-8 exhibited a percent recovery below the LCL for cyanide (78.3%). The associated results in sample 101_LMW-8 are qualified as UJ based on potential low bias.

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. The section below describes the other deficiencies that were identified.

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VOCs by SW-846 Method 8260C

21D1189

The FB (104_FB-1) exhibited a detection of tert-butyl alcohol (0.920 ug/l). The associated results for samples 102_LMW-7, 103-DUP-1, and 107_LMW-14 are qualified J based on the blank contamination. The associated results that are greater than the 2x the contamination or non-detects are not qualified based on professional judgment.

The TB (112_TB-1) exhibited a detection of acetone (1.29 ug/l) and methylene chloride (1.40 ug/l). The associated results are non-detects or were previously qualified. No further action is necessary.

SVOCs by SW-846 Method 8270D

21D1189

The FB (104_FB-1) exhibited a detection of pyrene (0.0737 ug/l). The associated result for sample 101_LMW-8 is qualified J based on the blank contamination. The associated results that are greater than the 2x the contamination or are non-detects are not qualified based on professional judgment.

Sample 101_LMW-8 exhibited a percent recovery below the LCL for the surrogate nitrobenzene-d5 (47.6%). No more than one surrogate from a single fraction 101_LMW-8 recovered outside of the control limits. No qualification is necessary

The MS/MSD performed on sample 101_LMW-8 exhibited a percent recovery below the LCL for 3,3'-dichlorobenzidine (0%) and an RPD above the control limit for 2,6-dinitrotoluene (26.5%). Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

PFAS by USEPA Method 537M

21D1189

The MS performed on sample 101_LMW-8 exhibited a percent recovery above the UCL for 8:2FTS (167%). The associated results are non-detections. No qualification is necessary.

Sample 102_LMW-7 exhibited percent recoveries above the UCL for the surrogates M2-6:2FTS (156%) and M2-8:2FTS (154%). The associated results are non-detections. No qualification is necessary.

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Sample 107_LMW-14 exhibited percent recoveries above the UCL for the surrogates M2-8:2FTS (231%) and M2-6:2FTS (176%). The associated results are non-detections. No qualification is necessary.

Sample 111_LMW-13 exhibited percent recoveries above the UCL for the surrogates M2-8:2FTS (167%) and M2-6:2FTS (155%). The associated results are non-detections. No qualification is necessary.

Total and Dissolved Metals by SW-846 Method 6010D/6020B/7470A

21D1189

The FB (104_FB-1) exhibited a detection of total potassium (0.0611 mg/l). The associated results are >10X the contamination. No qualification is necessary.

The MB for batch BD11436 exhibited a detection of dissolved calcium (0.113 mg/l). The associated results are >10X the contamination. No qualification is necessary.

The MS/MSD performed on sample 101_LMW-8 exhibited percent recoveries outside of control limits for total calcium (60.6%), total sodium (-225%), total iron (143%), and total potassium (164%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

The MS performed on sample 101_LMW-8 exhibited a percent recovery above the UCL for dissolved iron (198%). The associated results are non-detections. No qualification is necessary.

FIELD DUPLICATE:

One field duplicate and parent sample pairs were collected and analyzed for all parameters. For results less than 2X the RL, analytes meet the precision criteria if the absolute difference is less than $\pm 1X$ the RL. For results greater than 2X the RL, analytes meet the precision criteria if the RPD is less than or equal to 30% for groundwater. The following field duplicate and parent sample pairs were compared to the precision criteria:

- 103_DUP-1 and 102_LMW-7

CONCLUSION:

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

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All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



Joe Conboy
Staff Chemist

989 Lenox Drive Lawrenceville, NJ 08648 T: 609.282.8000
Mailing Address: 989 Lenox Drive Lawrenceville, NJ 08648

To: Allyson Kritzer, Langan Senior Staff Engineer
From: Joe Conboy, Langan Staff Chemist
Date: May 25, 2021
Re: Data Usability Summary Report
For 12096 Flatlands Avenue
April 2021 Soil Vapor Samples
Langan Project No.: 100688801

This memorandum presents the findings of an analytical data validation of the data generated from the analysis of air samples collected in April 2021 by Langan Engineering and Environmental Services ("Langan") at the 12096 Flatlands Avenue site ("the site"). The samples were analyzed by Alpha Analytical Laboratories, Inc. (NYSDOH NELAP registration # 11148) for volatile organic compounds (VOCs) by the methods specified below.

- VOCs by USEPA Method TO-15

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, and analytical parameters subject to review.

Validation Overview

This data validation was performed in accordance with USEPA Region II Standard Operating Procedure (SOP) #HW-31, "Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15" (September 2016, Revision 6), the USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA-540-R-2017-002, January 2017), and the specifics of the methods employed.

Validation includes review of the analytical data to verify that data are easily traceable and sufficiently complete to permit logical reconstruction by a qualified individual other than the originator. Items subject to review in this memorandum include holding times, sample preservation, instrument tuning, instrument calibration, laboratory blanks, laboratory control samples, internal standard area counts, target compound identification and quantification, chromatograms, and overall system performance.

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As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA's guidelines and best professional judgment:

- R** – The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
- J** – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- UU** – The analyte was not detected at a level greater than or equal to the reporting limit (RL); however, the reported RL is approximate and may be inaccurate or imprecise.
- U** – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
- NJ** – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are not sufficiently valid and technically supportable to be used for data interpretation. Data that is otherwise qualified due to minor data quality anomalies are usable, as qualified in Table 2 (attached).

MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

VOCs by USEPA Method TO-15:

21D0856

The method blank for batch BD11339 exhibited a detection of methylene chloride (0.69 ug/m3). The associated results in samples 092_LSV-2, 094_LSV-4, 095_LSV-5, 096_LSV-6, 098_LSV-8, and 100_DUP-1 are qualified as J due to potential blank contamination.

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The laboratory control sample (LCS) for batch BD11339 exhibited a percent recovery below the control limit for isopropanol (62%). The associated results in samples 091_LSV-1, 092_LSV-2, 093_LSV-3, 094_LSV-4, 095_LSV-5, 096_LSV-6, 097_LSV-7, 098_LSV-8, 099_AMBIENT-1, and 100_DUP-1 are qualified as J or UJ because of potential low bias.

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. The section below describes the other deficiencies that were identified.

VOCs by USEPA Method TO-15:

21D0856

The laboratory duplicate and parent sample (098_LSV-8) exhibited a relative percent difference (RPD) above the control limit for isopropanol (36.9%). The associated results were previously qualified. No further action is necessary.

The continuing calibration verification (CCV) analyzed on Y1D2504 exhibited a percent difference (%D) above the control limit for isopropanol (-45.6%). The associated results were previously qualified. No further action is necessary.

FIELD DUPLICATE:

One field duplicate and parent sample pairs was collected and analyzed for Method TO-15. For results less than 5X the RL, analytes meet the precision criteria if the absolute difference is less than $\pm 1X$ the RL. For results greater than 5X the RL, analytes meet the precision criteria if the RPD is less than or equal to 30% for vapor. The following field duplicate and parent sample pairs were compared to the precision criteria:

- 100_DUP-1 and 092_LSV-2

The field duplicate and parent sample (092_LSV-2) exhibited RPDs above the control limit for isopropanol (69.7%), methylene chloride (63.8%), and acetone (45.5%). The associated results are qualified as J because of potential indeterminate bias.

CONCLUSION:

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

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Data Usability Summary Report
For 12096 Flatlands Avenue
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May 25, 2021 Page 4 of 4

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



Joe Conboy
Staff Chemist

APPENDIX G

Daily Reports

DAILY STATUS REPORT

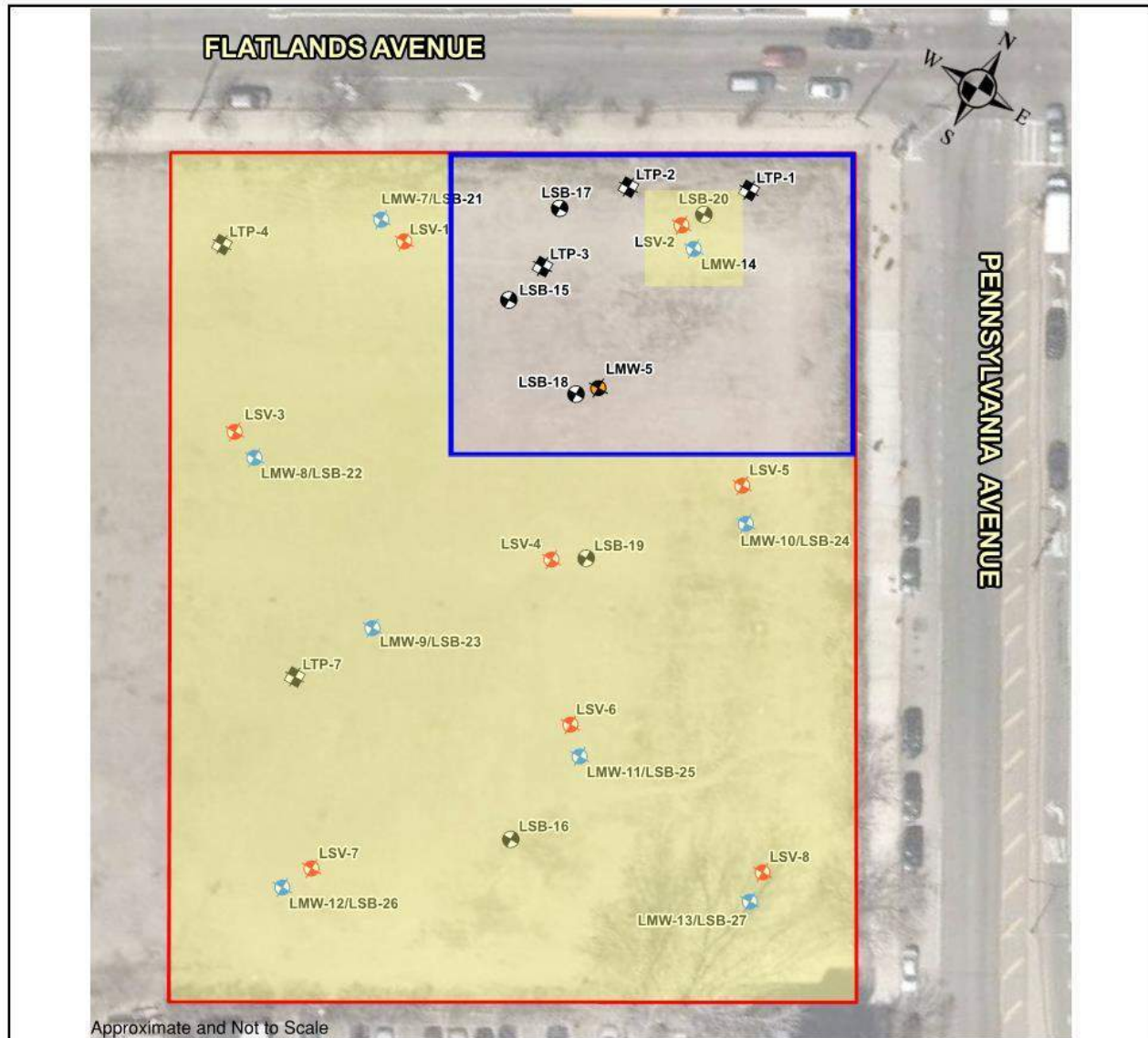
Prepared By: Brandon Reiner

WEATHER	Snow	Rain	X	Overcast	X	Partly Cloudy	Bright Sun
TEMP.	< 32	32-50	X	50-70		70-85	>85

Langan Project No:	100688801	Project:	12096 Flatlands Avenue	Date:	04/12/2020
NYSDEC BCP Site No:	C224290			Time:	8:00 – 15:15

<p>Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.</p>	<p>PERSONNEL ON SITE: Langan: Brandon Reiner (Environmental) Hager-Richter: Alexis Martinez, Amanda Fabian</p>
<p><u>Site Activities</u></p> <ul style="list-style-type: none"> Langan mobilized to the site with Hager-Richter Geoscience, Inc. (Hager-Richter) the geophysical survey contractor. Hager-Richter completed a geophysical survey throughout areas of the Site that were not previously investigated during the geophysical survey completed in November 2017 to clear boring locations, mark utilities, and investigate for subsurface anomalies in accordance with the NYSDEC-approved RIWP. <p><u>Samples Collected</u></p> <ul style="list-style-type: none"> None <p><u>Community Air Monitoring Program (CAMP)</u></p> <ul style="list-style-type: none"> Langan did not implement the CAMP as no soil disturbance occurred. <p><u>Problems Encountered</u></p> <ul style="list-style-type: none"> None <p><u>Activities Scheduled for Next Day</u></p> <ul style="list-style-type: none"> AARCO Environmental Services, Inc. will mobilize to the site and begin drilling at boring, monitoring well, and soil vapor point locations. 	

SITE MAP



Approximate and Not to Scale

LEGEND

-  Site Boundary
-  Work Area
-  2017 Geophysical Survey Extents
-  Historical Soil Boring
-  Historical Test Pit Location
-  Historical Monitoring Well Location
-  Proposed Monitoring Well/ Soil Boring Location
-  Proposed Soil Vapor Point Location

NOTES

1. Aerial imagery provided by Langan's subscription to Nearmap.com. Aerial flown on 4/8/2018.
2. 2017 Geophysical Survey Extents are provided in Naeva's "Results of Geophysical Investigation" report prepared on 29 November 2017.
2. Historical soil boring, monitoring well, and test pit locations are based on field measurements taken from the nearest property boundary.
3. Proposed soil boring, monitoring well, and soil vapor point locations are approximate and were identified in the field using tablet-based GPS.

Photo Log

Photo 1 – General Site conditions and view of geophysical survey in progress, facing northeast.



Photo 2 – General Site conditions and view of geophysical survey in progress, facing southwest.



Photo 3 – Utility mark-out within the vicinity of proposed LSB-22/LMW-8/LSV-3 locations.



Photo 4 – Utility mark-out within the vicinity of proposed LMW-14/LSV-2 locations.



DAILY STATUS REPORT

Prepared By: Brandon Reiner

WEATHER	Snow	Rain	Overcast	Partly Cloudy	Bright Sun	X
TEMP.	< 32	32-50	50-70	X	70-85	>85

Langan Project No:	100688801	Project:	12096 Flatlands Avenue	Date:	04/13/2020
NYSDEC BCP Site No:	C224290			Time:	7:45 – 17:15

Consultant:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.

PERSONNEL ON SITE:

Langan: Brandon Reiner (Environmental)
AARCO: Sergio Mayana, Robert Randazzo

Site Activities

- AARCO Environmental Services, Inc. (AARCO), the drilling contractor, mobilized to the site to complete the subsurface investigation in accordance with the NYSDEC-approved RIWP.
- AARCO used a Geoprobe® 7822DT direct-push drill rig to advance soil borings LSB-22, LSB-23, and LSB-25 to a depth of 25-feet below ground surface (bgs) and LSB-21 to a depth of 20-feet bgs. Groundwater monitoring well LMW-7 was installed to a depth of 20-feet at LSB-21 and LMW-8 was installed to a depth of 25-feet at LSB-22.
- AARCO attempted to advance soil boring LSB-26 but encountered refusal at 19-feet bgs at the proposed location and at 10-feet bgs at a location offset 5-feet northeast.
- AARCO attempted to install groundwater monitoring well LMW-9 at soil boring LSB-23 but could not advance casing past 8-feet bgs due to tight material.

Samples Collected

- The following samples were collected for analysis of VOCs, SVOCs, PCBs pesticides, herbicides, TAL metals, hexavalent chromium, 1,4-dioxane, and PFAs:

Sample ID	Depth (ft bgs)
063/LSB-22A	0.0 to 2.0
064/LSB-22B	4.0 to 6.0
065/LSB-22C	13.0 to 15.0
066/LSB-21A	0.0 to 2.0
067/LSB-21B	5.0 to 7.0
068/LSB-21C	12.0 to 14.0
069/LSB-23A	0.0 to 2.0
070/LSB-23B	8.0 to 10.0
071/LSB-23C	18.0 to 20.0
072/LSB-26A	0.0 to 2.0
073/LSB-26B	10.0 to 12.0
074/LSB-25A	0.0 to 2.0

075/LSB-25B	12.0 to 14.0
076/LSB-25C	13.0 to 15.0

- Equipment Blank 077/FB-3 collected for analysis of PFAs and 1,4-dioxane.
- Trip Blank 078/TB-7 collected for analysis of VOCs.

Community Air Monitoring Program (CAMP)

- Langan implemented the CAMP during soil disturbance. CAMP equipment consisted of a DustTrack II and photoionization detector (PID) at a dedicated location on the downwind perimeter of the site, as well as a personal DataRam (pDR) and PID at a work zone monitoring station.
- No VOC or dust concentrations were detected in exceedance of the daily short-term exposure limit (STEL) at the downwind CAMP station.

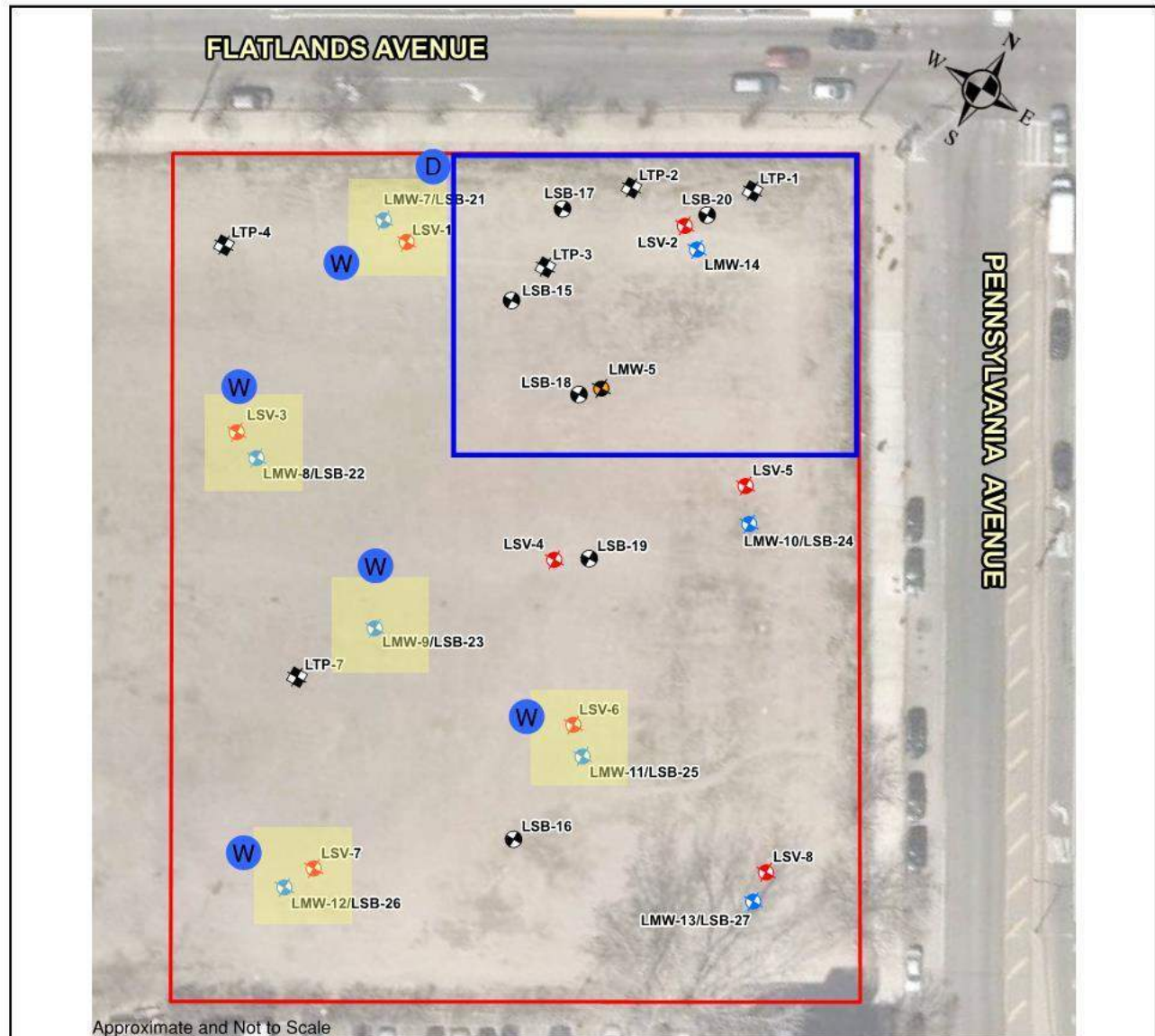
Problems Encountered

- None

Activities Scheduled for Next Day











- AARCO Environmental Services, Inc. will mobilize an AMS direct-push drill rig and continue drilling at boring, monitoring well, and soil vapor point locations.

SITE MAP



Approximate and Not to Scale

LEGEND

- | | |
|--|---|
|  Site Boundary |  Work Zone Air Monitoring Station |
|  Work Area |  Downwind Perimeter Air Monitoring Station |
|  2017 Geophysical Survey Extents | |
|  Historical Soil Boring | |
|  Historical Test Pit Location | |
|  Historical Monitoring Well Location | |
|  Proposed Monitoring Well/ Soil Boring Location | |
|  Proposed Soil Vapor Point Location | |

NOTES

1. Aerial imagery provided by Langan's subscription to Nearmap.com. Aerial flown on 4/8/2018.
2. 2017 Geophysical Survey Extents are provided in Naeva's "Results of Geophysical Investigation" report prepared on 29 November 2017.
2. Historical soil boring, monitoring well, and test pit locations are based on field measurements taken from the nearest property boundary.
3. Proposed soil boring, monitoring well, and soil vapor point locations are approximate and were identified in the field using tablet-based GPS.

Photo Log

Photo 1 – General Site conditions, facing northeast.



Photo 2 – View of downwind air monitoring station, facing northwest.



Photo 3 – Drilling soil boring LSB-25, facing southeast.



Photo 4 – Ash layer identified in LSB-23 from 8.5 to 10-foot bgs.



DAILY STATUS REPORT

Prepared By: Brandon Reiner

WEATHER	Snow	Rain	Overcast	Partly Cloudy	X	Bright Sun
TEMP.	< 32	32-50	50-70	X	70-85	>85

Langan Project No:	100688801	Project:	12096 Flatlands Avenue	Date:	04/14/2020
NYSDEC BCP Site No:	C224290			Time:	6:45 – 14:30

Consultant:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.

PERSONNEL ON SITE:

Langan: Brandon Reiner (Environmental)
AARCO: Sergio Mayana, Robert Randazzo

Site Activities

- AARCO Environmental Services, Inc. (AARCO) continued soil boring drilling and monitoring well installation to complete the subsurface investigation in accordance with the NYSDEC-approved RIWP.
- AARCO mobilized an AMS Power Probe 9580-VTR direct-push drill rig to advance soil borings LSB-26 and LMW-14 to depths of 30 and 25-feet below ground surface (bgs), respectively. Groundwater monitoring well LMW-12 was installed to a depth of 30-feet at LSB-26 and LMW-14 was installed to a depth of 25-feet.
- AARCO returned to previously drilled soil boring locations where difficult drilling was encountered to install groundwater monitoring wells using the AMS Power Probe 9580-VTR. Groundwater monitoring well LMW-9 was installed to a depth of 25-feet at LSB-23 and LMW-11 was installed to a depth of 25-feet at LSB-25.
- AARCO developed groundwater monitoring wells LMW-7 and LMW-8 using a submersible pump and surging method across the screened interval.

Samples Collected

- Soil sample 081/LSB-26C collected from 20.5 to 22.5-feet bgs for analysis of VOCs, SVOCs, PCBs pesticides, herbicides, TAL metals, hexavalent chromium, 1,4-dioxane, and PFAs.
- Field Blank 079/FB-4 collected for analysis of VOCs, SVOCs, PCBs pesticides, herbicides, TAL metals, hexavalent chromium, 1,4-dioxane, and PFAs.
- Trip Blank 080/TB-8 collected for analysis of VOCs.

Community Air Monitoring Program (CAMP)

- Langan implemented the CAMP during soil disturbance. CAMP equipment consisted of a DustTrack II and photoionization detector (PID) at a dedicated location on the downwind perimeter of the site, as well as a personal DataRam (pDR) and PID at a work zone monitoring station.
- No VOC or dust concentrations were detected in exceedance of the daily short-term exposure limit (STEL) at the downwind CAMP station.

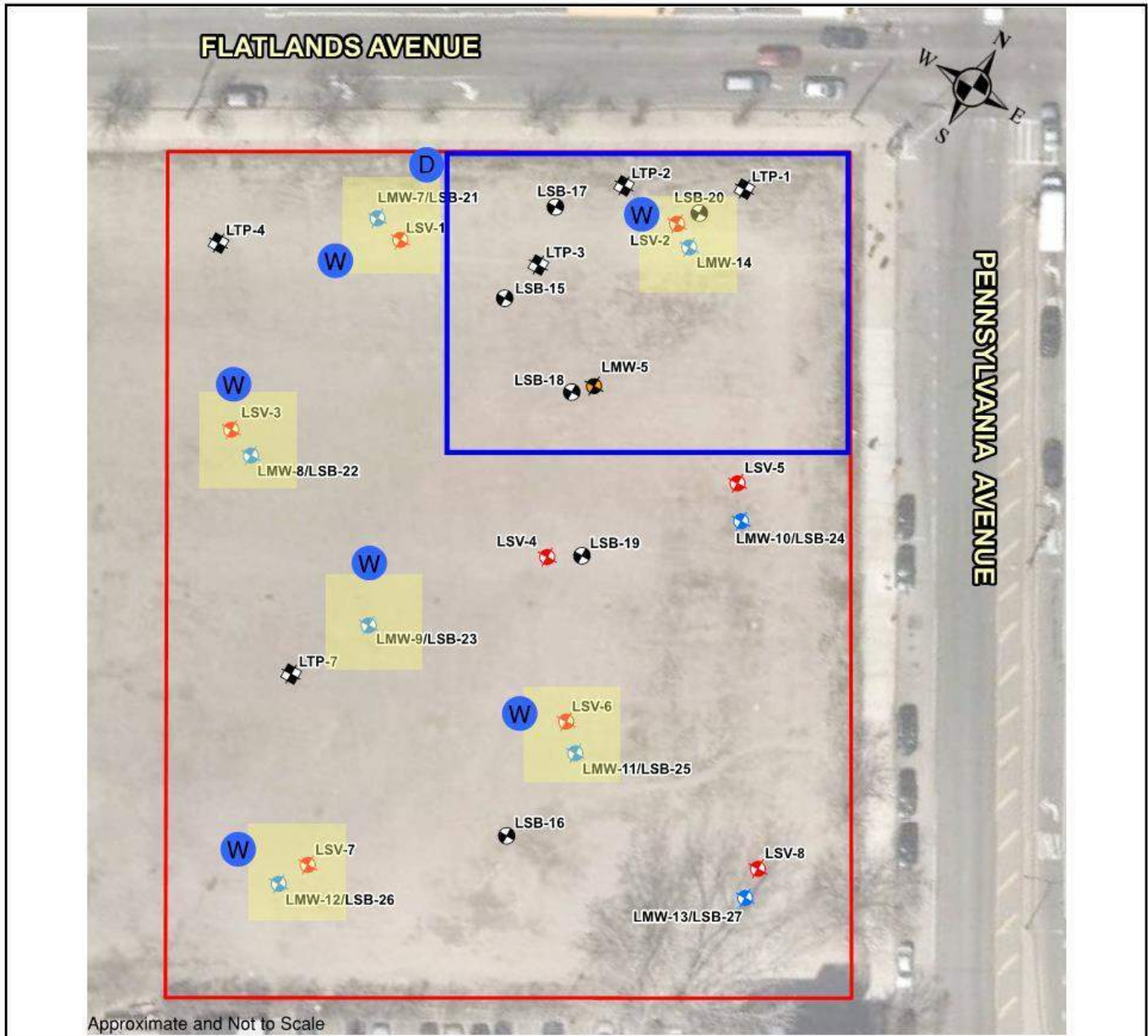
Problems Encountered

- None

Activities Scheduled for Next Day











- AARCO Environmental Services, Inc. will continue drilling at soil boring, monitoring well, and soil vapor point locations.

SITE MAP



Approximate and Not to Scale

LEGEND

-  Site Boundary
-  Work Area
-  2017 Geophysical Survey Extents
-  Historical Soil Boring
-  Historical Test Pit Location
-  Historical Monitoring Well Location
-  Proposed Monitoring Well/ Soil Boring Location
-  Proposed Soil Vapor Point Location
-  Work Zone Air Monitoring Station
-  Downwind Perimeter Air Monitoring Station

NOTES

1. Aerial imagery provided by Langan's subscription to Nearmap.com. Aerial flown on 4/8/2018.
2. 2017 Geophysical Survey Extents are provided in Naeva's "Results of Geophysical Investigation" report prepared on 29 November 2017.
2. Historical soil boring, monitoring well, and test pit locations are based on field measurements taken from the nearest property boundary.
3. Proposed soil boring, monitoring well, and soil vapor point locations are approximate and were identified in the field using tablet-based GPS.

Photo Log

Photo 1 – View of the AMS Power Probe 9580-VTR direct-push drill rig mobilized to the site, facing west.



Photo 2 – Drilling soil boring LSB-26, facing south.



Photo 3 – Developing monitoring well LMW-8, facing west.



Photo 4 – Completed manhole cover and concrete pad installed at monitoring well LMW-12, facing northeast.



DAILY STATUS REPORT

Prepared By: Brandon Reiner

WEATHER	Snow	Rain	X	Overcast	Partly Cloudy	Bright Sun
TEMP.	< 32	32-50	X	50-70	70-85	>85

Langan Project No:	100688801	Project:	12096 Flatlands Avenue	Date:	04/15/2020
NYSDEC BCP Site No:	C224290			Time:	6:45 – 15:30

Consultant:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.

PERSONNEL ON SITE:

Langan: Brandon Reiner (Environmental)
AARCO: Robert Randazzo, Chuck Blumberg

Site Activities

- AARCO Environmental Services, Inc. (AARCO) continued soil boring drilling and monitoring well installation to complete the subsurface investigation in accordance with the NYSDEC-approved RIWP.
- AARCO used an AMS Power Probe 9580-VTR direct-push drill rig to advance soil borings LSB-24 and LSB-27 to 25-feet below ground surface (bgs). Groundwater monitoring well LMW-10 was installed to a depth of 22.5-feet at LSB-24 and LMW-13 was installed to a depth of 22-feet at LSB-27.
- AARCO developed groundwater monitoring wells LMW-7, LMW-8, LMW-9, and LMW-14 using a submersible pump and surging method across the screened interval.

Samples Collected

- The following samples were collected for analysis of VOCs, SVOCs, PCBs pesticides, herbicides, TAL metals, hexavalent chromium, 1,4-dioxane, and PFAs:

Sample ID	Depth (ft bgs)
082/LSB-24A	0.0 to 2.0
083/LSB-24B	3.0 to 5.0
084/LSB-24C	13.0 to 15.0
085/LSB-27A	0.0 to 2.0
086/DUP-4	0.0 to 2.0 (085/LSB-27A Parent)
087/LSB-27B	7.0 – 9.0
088/LSB-27C	13.0 – 15.0

- Field Blank 089/FB-5 collected for analysis of 1,4-dioxane, and PFAs.
- Trip Blank 090/TB-9 collected for analysis of VOCs.

Community Air Monitoring Program (CAMP)

- Langan implemented the CAMP during soil disturbance. CAMP equipment consisted of a DustTrack II and photoionization detector (PID) at a dedicated location on the downwind perimeter of the site, as well as a personal DataRam (pDR) and PID at a work zone monitoring station.
- No VOC or dust concentrations were detected in exceedance of the daily short-term exposure limit (STEL) at the downwind CAMP station.

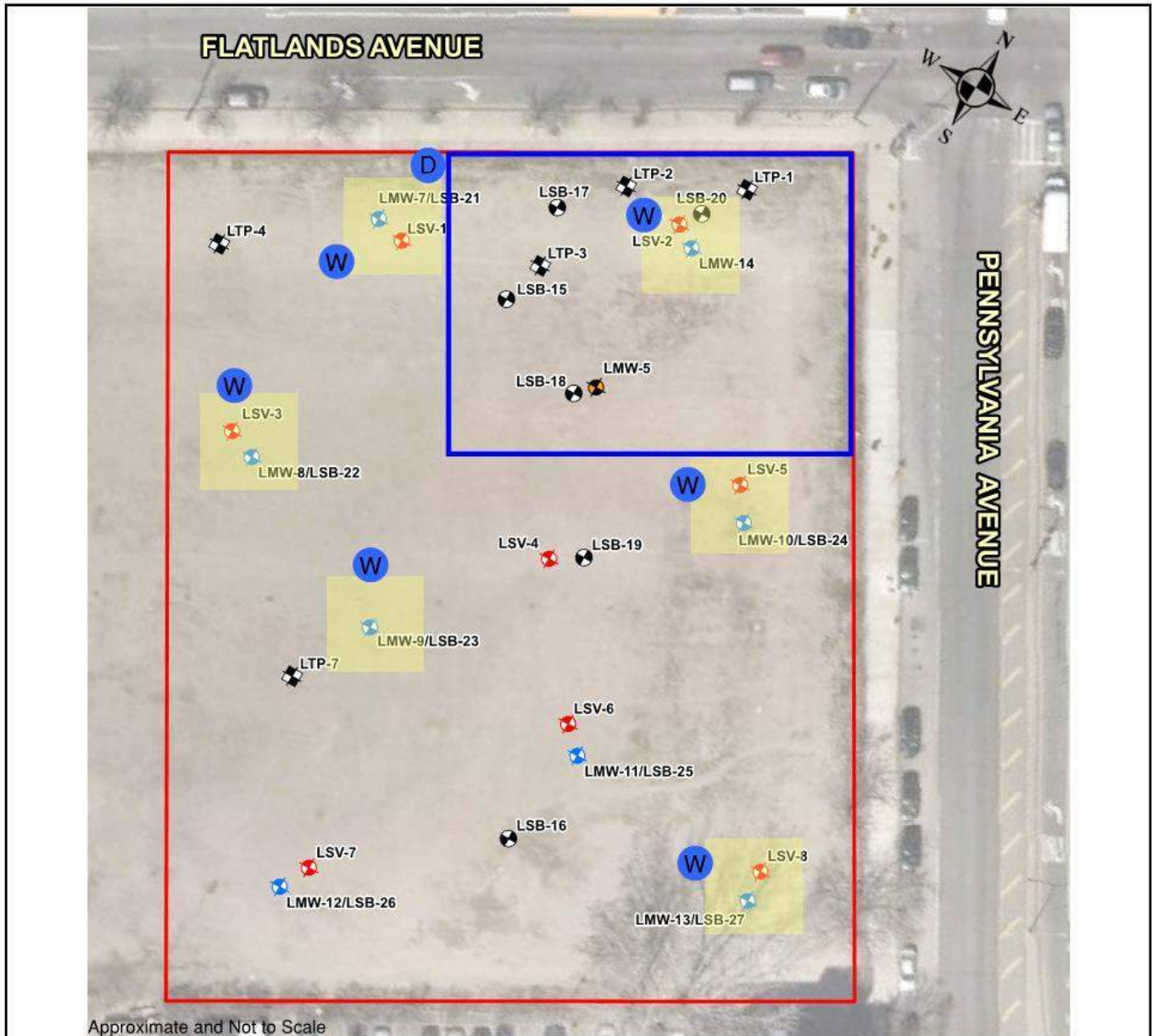
Problems Encountered

- None

Activities Scheduled for Next Day











- AARCO Environmental Services, Inc. will continue developing monitoring wells and will begin drilling soil vapor point locations.

SITE MAP



Approximate and Not to Scale

LEGEND

-  Site Boundary
-  Work Area
-  2017 Geophysical Survey Extents
-  Historical Soil Boring
-  Historical Test Pit Location
-  Historical Monitoring Well Location
-  Proposed Monitoring Well/Soil Boring Location
-  Proposed Soil Vapor Point Location
-  Work Zone Air Monitoring Station
-  Downwind Perimeter Air Monitoring Station

NOTES

1. Aerial imagery provided by Langan's subscription to Nearmap.com. Aerial flown on 4/8/2018.
2. 2017 Geophysical Survey Extents are provided in Naeva's "Results of Geophysical Investigation" report prepared on 29 November 2017.
2. Historical soil boring, monitoring well, and test pit locations are based on field measurements taken from the nearest property boundary.
3. Proposed soil boring, monitoring well, and soil vapor point locations are approximate and were identified in the field using tablet-based GPS.

Photo Log

Photo 1 – Drilling soil boring LSB-24, facing west.



Photo 2 – Ash layer identified in LSB-24 from 4 to 4.5-feet bgs.



Photo 3 – Installing
LMW-13, facing south.



Photo 4 – Developing
monitoring well LMW-14
until discharge ran free
and clear of solids,
facing north.



DAILY STATUS REPORT

Prepared By: Molly Mattern

WEATHER	Snow	Rain	X	Overcast	Partly Cloudy	X	Bright Sun
TEMP.	< 32	32-50	X	50-70	70-85		>85

Langan Project No:	100688801	Project:	12096 Flatlands Avenue	Date:	04/16/2020
NYSDEC BCP Site No:	C224290			Time:	6:45 – 13:30

Consultant:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.

PERSONNEL ON SITE:

Langan: Molly Mattern (Environmental)
AARCO: Julio Galarza, Jose Galarza

Site Activities

- AARCO Environmental Services, Inc. (AARCO) began soil vapor point installation and continued monitoring well development to complete the subsurface investigation in accordance with the NYSDEC-approved RIWP.
- AARCO used an AMS Power Probe 9580-VTR direct-push drill rig to install soil vapor points LSV-1 through LSV-8. LSV-1 and LSV-2 were installed to 10.5-feet below ground surface (bgs), LSV-3 was installed to 14-feet bgs, LSV-4 was installed to 12.5-feet bgs, LSV-5 was installed to 11.5-feet bgs, LSV-6 was installed to 14-feet bgs, LSV-7 was installed to 16-feet bgs, and LSV-8 was installed to 12.5-feet bgs.
- AARCO developed groundwater monitoring wells LMW-5, LMW-10, LMW-11, LMW-12, and LMW-13 using a submersible pump and surging method across the screened interval until water ran free and clear of solids.

Samples Collected

- No Samples Collected

Community Air Monitoring Program (CAMP)

- Langan implemented the CAMP during soil disturbance. CAMP equipment consisted of a DustTrack II and photoionization detector (PID) at a dedicated location on the downwind perimeter of the site, as well as a personal DataRam (pDR) and PID at a work zone monitoring station.
- No VOC or dust concentrations were detected in exceedance of the daily short-term exposure limit (STEL) at the downwind CAMP station.

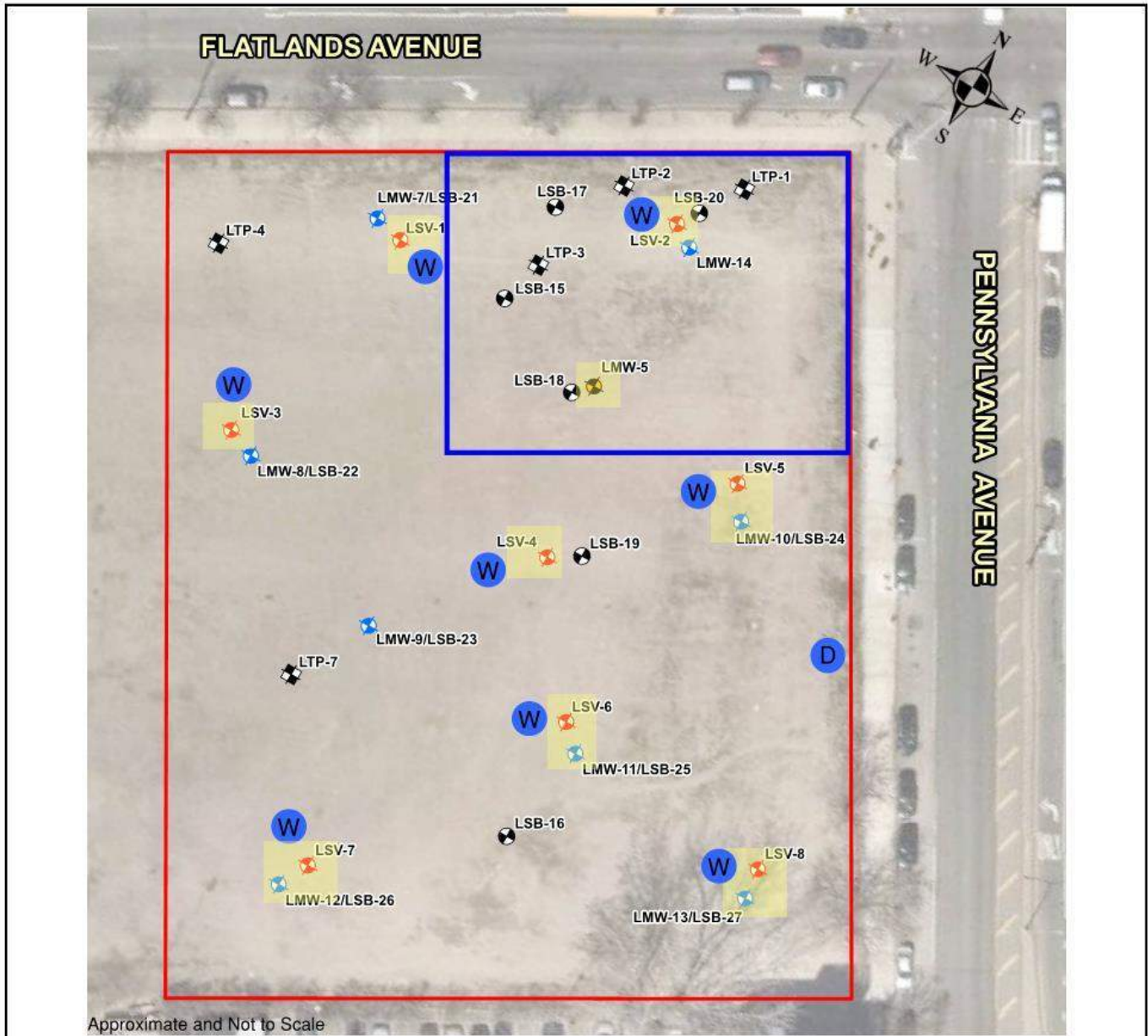
Problems Encountered

- None

Activities Scheduled for Next Day











- Langan will collect soil vapor samples.

SITE MAP



Approximate and Not to Scale

LEGEND

-  Site Boundary
-  Work Area
-  2017 Geophysical Survey Extents
-  Historical Soil Boring
-  Historical Test Pit Location
-  Historical Monitoring Well Location
-  Proposed Monitoring Well/ Soil Boring Location
-  Proposed Soil Vapor Point Location
-  Work Zone Air Monitoring Station
-  Downwind Perimeter Air Monitoring Station

NOTES

1. Aerial imagery provided by Langan's subscription to Nearmap.com. Aerial flown on 4/8/2018.
2. 2017 Geophysical Survey Extents are provided in Naeva's "Results of Geophysical Investigation" report prepared on 29 November 2017.
2. Historical soil boring, monitoring well, and test pit locations are based on field measurements taken from the nearest property boundary.
3. Proposed soil boring, monitoring well, and soil vapor point locations are approximate and were identified in the field using tablet-based GPS.

Photo Log

Photo 1 – Drilling for installation of soil vapor point LSV-5, facing northwest.



Photo 2 – Installation of soil vapor monitoring point at LSV-2, facing north.



Photo 3 – Completed installation of LSV-6, facing south.



Photo 4 – Developing monitoring well LMW-5 until discharge ran free and clear of solids, facing southwest.



DAILY STATUS REPORT

Prepared By: Brandon Reiner

WEATHER	Snow	Rain	Overcast	Partly Cloudy	Bright Sun	X
TEMP.	< 32	32-50	50-70	X	70-85	>85

Langan Project No:	100688801	Project:	12096 Flatlands Avenue	Date:	04/19/2020
NYSDEC BCP Site No:	C224290			Time:	7:00 – 15:00

Consultant:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.

PERSONNEL ON SITE:

Langan: Brandon Reiner (Environmental), Molly Mattern (Environmental)

Site Activities

- Langan conducted soil vapor sampling at LSV-1 through LSV-8.
- Langan collected the following depth to water (DTW) and depth to bottom of well (DTB) measurements at all groundwater monitoring wells with the exception of LMW-7, which was not accessible:

Well ID	DTW (feet)	DTB (feet)
LMW-5	13.38	19.63
LMW-8	16.08	19.96
LMW-9	16.46	24.09
LMW-10	12.59	23.02
LMW-11	15.12	24.89
LMW-12	17.14	28.12
LMW-13	13.78	21.50
LMW-14	11.85	24.91

Samples Collected

- The following soil vapor samples were collected and submitted to the laboratory to be analyzed for volatile organic compounds (VOCs):

Sample ID	Sample Depth (feet bgs)
091_LSV-1	10.5
092_LSV-2	10.5
093_LSV-3	14
094_LSV-4	12.5
095_LSV-5	11.5
096_LSV-6	14
097_LSV-7	16
098_LSV-8	12.5
099_AMBIENT-1	---
100_DUP-1	10.5 (092_LSV-2 Parent)

Community Air Monitoring Program (CAMP)

- Langan did not implement CAMP as no soil disturbance occurred.

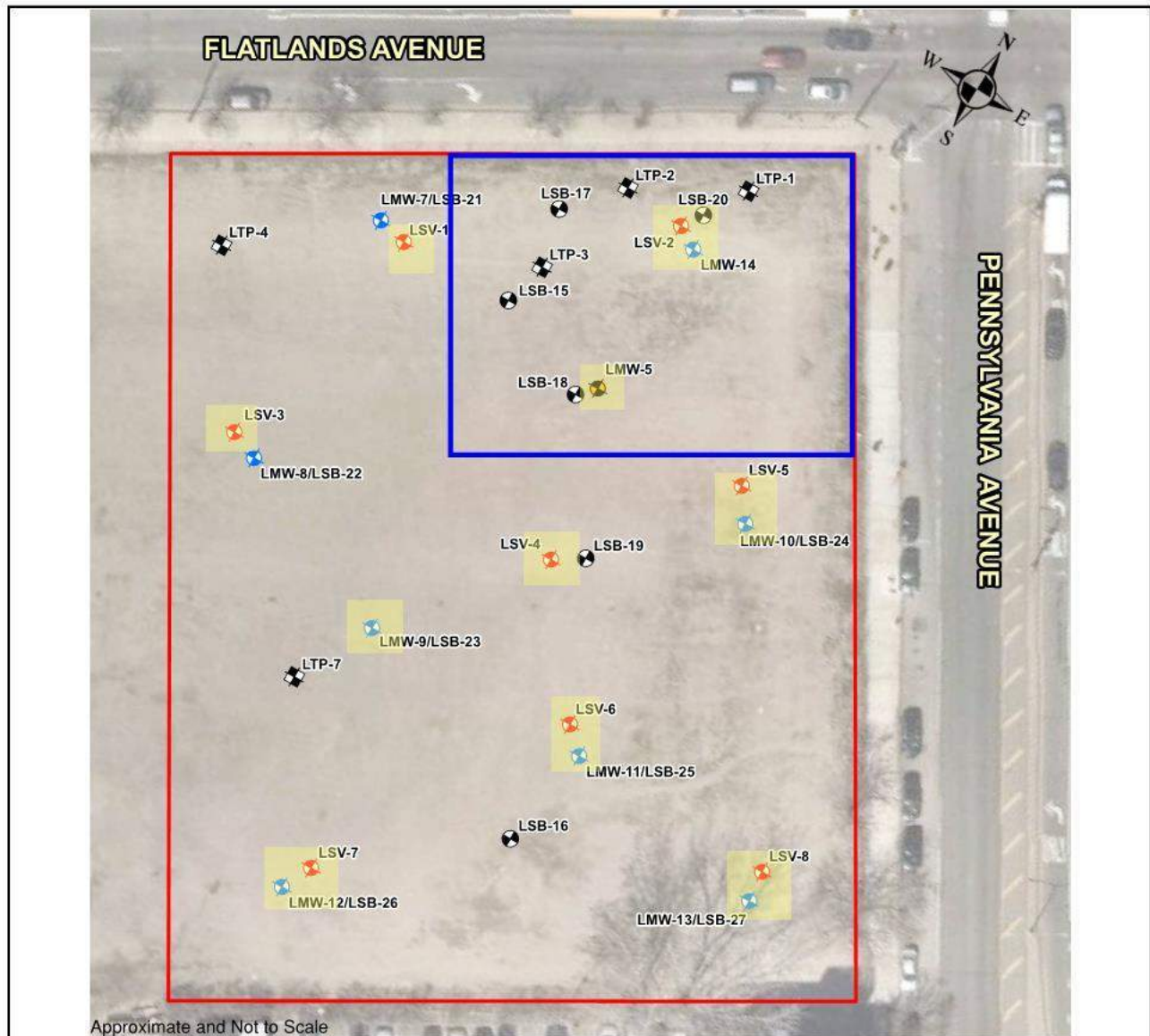
Problems Encountered

- None











Activities Scheduled

- Langan will collect groundwater samples on 4/26/2021.

SITE MAP



LEGEND

- | | |
|--|---|
|  Site Boundary |  Work Zone Air Monitoring Station |
|  Work Area |  Downwind Perimeter Air Monitoring Station |
|  2017 Geophysical Survey Extents | |
|  Historical Soil Boring | |
|  Historical Test Pit Location | |
|  Historical Monitoring Well Location | |
|  Proposed Monitoring Well/ Soil Boring Location | |
|  Proposed Soil Vapor Point Location | |

NOTES

1. Aerial imagery provided by Langan's subscription to Nearmap.com. Aerial flown on 4/8/2018.
2. 2017 Geophysical Survey Extents are provided in Naeva's "Results of Geophysical Investigation" report prepared on 29 November 2017.
2. Historical soil boring, monitoring well, and test pit locations are based on field measurements taken from the nearest property boundary.
3. Proposed soil boring, monitoring well, and soil vapor point locations are approximate and were identified in the field using tablet-based GPS.

Photo Log

Photo 1 – Site conditions, facing east.



Photo 2 – View of helium leak testing prior to soil vapor sampling at LSV-2, facing southwest.



Photo 3 – View of soil vapor sampling at LSV-4, facing north.



DAILY STATUS REPORT

Prepared By: Molly Mattern

WEATHER	Snow	Rain	Overcast	Partly Cloudy	Bright Sun	X
TEMP.	< 32	32-50	50-70	X	70-85	>85

Langan Project No:	100688801	Project:	12096 Flatlands Avenue	Date:	04/26/2020
NYSDEC BCP Site No:	C224290			Time:	7:00 – 17:00

Consultant:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.

PERSONNEL ON SITE:

Langan: Molly Mattern (Environmental)

Site Activities

- Langan surveyed the elevations of the monitoring wells.
- Langan conducted low-flow groundwater sampling at LMW-5, and LMW-7 through LMW-14.
- Langan collected the following depth to water (DTW) measurements at all groundwater monitoring wells prior to sampling:

Well ID	DTW (feet)
LMW-5	13.60
LMW-7	12.00
LMW-8	16.40
LMW-9	16.77
LMW-10	12.94
LMW-11	15.37
LMW-12	17.44
LMW-13	14.10
LMW-14	12.13

Community Air Monitoring Program (CAMP)

- Langan did not implement CAMP as no soil disturbance occurred.

Samples Collected

- The following groundwater samples were collected and submitted to the laboratory to be analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polycyclic biphenyls (PCBs), pesticides, herbicides, total and dissolved target analyte list (TAL) metals, hexavalent and trivalent chromium, 1,4-dioxane, and per- and polyfluoroalkyl substances (PFAS):

Sample ID
101_LMW-8
102_LMW-7
103_LMW-DUP-1
104_FB-1
105_LMW-5
106_LMW-9
107_LMW-14
108_LMW-12
109_LMW-11
110_LMW-10
111_LMW-13

- Trip Blank 112_TB-1 was collected for analysis of VOCs.
- Groundwater waste characterization sample 114_WC_GW_042621 was collected for VOCs, SVOCs, PCBs, pesticides, herbicides, TAL metals, hexavalent chromium, cyanide, extractable petroleum hydrocarbons (EPH) (spiked for fractionation), and Resource Conservation and Recovery Act (RCRA) hazardous characteristics.
- Soil waste characterization sample 113_WC_SOIL_042621 was collected for VOCs, SVOCs, PCBs, pesticides, herbicides, TAL metals, hexavalent chromium, cyanide, EPH (spiked for fractionation), RCRA hazardous characteristics, and full toxicity characteristic leaching procedure (TCLP).
- Trip Blank 115_TB_042621 was collected for analysis of VOCs associated with the waste characterization sample.

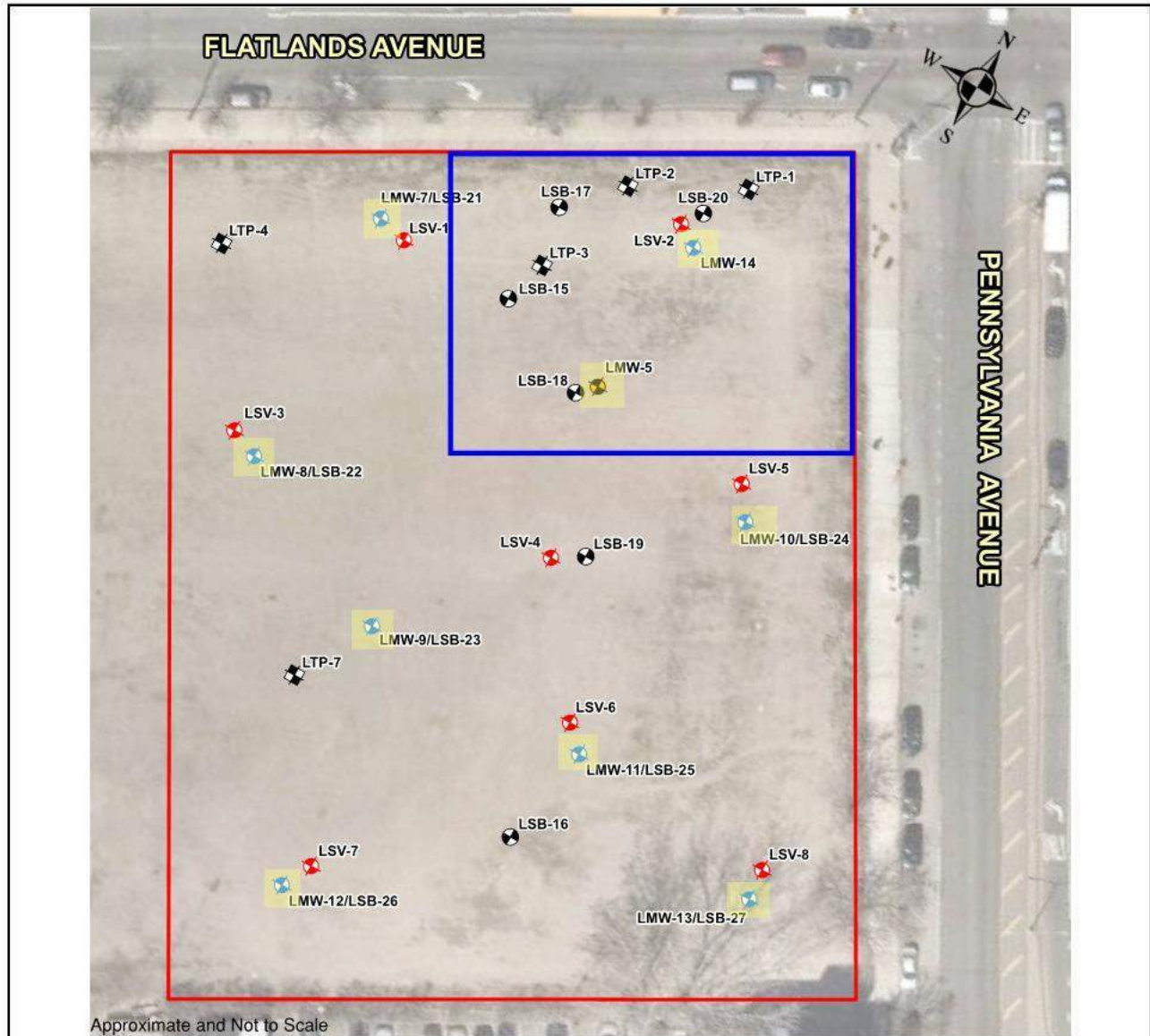
Problems Encountered

- None











Activities Scheduled

- Two drums of development and purge water and one drum of soil cuttings remain onsite. Offsite disposal will be arranged upon receipt of waste characterization analytical results.

SITE MAP



LEGEND

- | | |
|--|---|
|  Site Boundary |  Work Zone Air Monitoring Station |
|  Work Area |  Downwind Perimeter Air Monitoring Station |
|  2017 Geophysical Survey Extents | |
|  Historical Soil Boring | |
|  Historical Test Pit Location | |
|  Historical Monitoring Well Location | |
|  Proposed Monitoring Well/ Soil Boring Location | |
|  Proposed Soil Vapor Point Location | |

NOTES

1. Aerial imagery provided by Langan's subscription to Nearmap.com. Aerial flown on 4/8/2018.
2. 2017 Geophysical Survey Extents are provided in Naeva's "Results of Geophysical Investigation" report prepared on 29 November 2017.
2. Historical soil boring, monitoring well, and test pit locations are based on field measurements taken from the nearest property boundary.
3. Proposed soil boring, monitoring well, and soil vapor point locations are approximate and were identified in the field using tablet-based GPS.

Photo Log

Photo 1 – Low flow sampling at LMW-8.



Photo 2 – View of sample collection at LMW-11, facing southwest.



APPENDIX H

Historical DUSRs and Boring Logs

LANGAN

Project 12096 Flatlands Avenue		Project No. 100688801	
Location Brooklyn, New York		Elevation and Datum 15.36-ft NAVD88	
Drilling Company AARCO Environmental Services Corp.		Date Started 5/8/18	Date Finished 5/8/18
Drilling Equipment Geoprobe 7822 DT		Completion Depth 20 ft	Rock Depth ---
Size and Type of Bit 2in Direct Push		Number of Samples	Disturbed 5
Casing Diameter (in) ---		Casing Depth (ft) ---	Undisturbed ---
Casing Hammer ---		Weight (lbs) ---	Drop (in) ---
Sampler 1.75" x 5' Long Acetate Lined Macrocore		Water Level (ft.) First 14	Completion 24 HR. ---
Sampler Hammer ---		Weight (lbs) ---	Drop (in) ---
		Drilling Foreman Tim Kelly	
		Field Engineer Allyson Kritzer	

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. Bl/ft		
[Cross-hatched pattern]	+15.4	Brown f-m loose SAND, some f-c gravel, tr coarse sand, silt, brick, wood, and concrete (dry) [FILL]	0					0.0	Started Drilling on 5/8/2018 Collect sample LSB-15A from 0-2' (1.5-2') bgs at 8:10 AM
			1					0.0	
			2	M-1	MACROCORE	29		0.0	
			3					0.0	
			4					0.0	
[Cross-hatched pattern]		Brown f-m loose SAND, some f-c gravel, tr c sand, silt, concrete, brick (dry)[FILL]	4					0.0	
		Light brown f-m loose SAND, tr f-c gravel, c sand, silt (dry)[FILL]	5					0.0	
			6	M-2	MACROCORE	46		0.0	
			7					0.0	
			8					0.0	
[Cross-hatched pattern]		Brown m-c loose ashy SAND, some f sand, f-c gravel, tr silt, concrete, and asphalt (moist)[ASH][FILL]	7					0.0	
		Light brown f-m loose SAND, tr c sand, glass, brick, concrete (moist)[FILL]	8					0.0	
			9					0.0	
			10	M-3	MACROCORE	29		0.0	
			11					0.0	
[Cross-hatched pattern]		Brown m-c loose ashy SAND, some f sand, f-c gravel, tr silt, concrete, brick, porcelain, wood, and slag (moist)[ASH][FILL]	10					0.0	
			11					0.0	
			12					0.0	
			13					0.0	
			14	M-4	MACROCORE	21		0.0	
[Cross-hatched pattern]	+1.8	Dark brown f-c loose SAND, some silt, tr glass and wood (moist)[FILL]	12					0.0	Collect sample LSB-15B from 12-14' (13-13.5') bgs at 8:15 AM
		Dark brown f-m loose SAND, some silt, tr c sand (wet) [NATIVE]	14					0.0	
			15					0.0	
			16	M-5	MACROCORE	24		0.0	
			17					0.0	
[Cross-hatched pattern]		Dark brown f-m medium dense SAND, some silt, tr c sand and clay (wet) [NATIVE]	16					0.0	Bottom of boring at 20' bgs
			17					0.0	
			18					0.0	
			19					0.0	
			20					0.0	

LANGAN

Log of Boring

LSB-15

Sheet

2

of

2

Project		Project No.							
12096 Flatlands Avenue		100688801							
Location		Elevation and Datum							
Brooklyn, New York		15.36-ft NAVD88							
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)	Penetr. resist. BL/6in		PID Reading (ppm)
	-4.6		20					0.0	
			21						
			22						
			23						
			24						
			25						
			26						
			27						
			28						
			29						
			30						
			31						
			32						
			33						
			34						
			35						
			36						
			37						
			38						
			39						
			40						
			41						
			42						
			43						
			44						
			45						

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Project 12096 Flatlands Avenue		Project No. 100688801							
Location Brooklyn, New York		Elevation and Datum 18.26-ft NAVD88							
MATERIAL SYMBOL	Elev. (ft) -1.7	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)	Penetr. resist. BL/min		PID Reading (ppm)
			20					0.0	
			21						
			22						
			23						
			24						
			25						
			26						
			27						
			28						
			29						
			30						
			31						
			32						
			33						
			34						
			35						
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			38						
			39						
			40						
			41						
			42						
			43						
			44						
			45						

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Project 12096 Flatlands Avenue			Project No. 100688801		
Location Brooklyn, New York			Elevation and Datum 13.86-ft NAVD88		
Drilling Company AARCO Environmental Services Corp.		Date Started 5/8/18		Date Finished 5/8/18	
Drilling Equipment Geoprobe 7822 DT			Completion Depth 20 ft		Rock Depth ---
Size and Type of Bit 2in Direct Push			Number of Samples	Disturbed 5	Undisturbed ---
Casing Diameter (in) ---		Casing Depth (ft) ---	Water Level (ft.) First 12	Completion 24 HR. ---	Core ---
Casing Hammer ---		Weight (lbs) ---	Drop (in) ---	Drilling Foreman Tim Kelly	
Sampler 1.75" x 5' Long Acetate Lined Macrocore			Field Engineer Allyson Kritzer		
Sampler Hammer ---		Weight (lbs) ---	Drop (in) ---		

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BU/in		
	+13.9	Dark brown f-c loose SAND, some f-c gravel, tr silt, asphalt, concrete, and brick (dry)[FILL]	0					0.0	Started Drilling on 5/8/2018 Collect sample LSB-17A from 0-2' (1-1.5') bgs at 8:45 AM
	1						0.0		
	2	Light brown f-m loose SAND, tr c sand and silt (dry)[FILL]		M-1	MACROCORE	35		0.0	
	3						0.0		
	4	Brown f-c loose SAND, some f-c gravel, concrete, tr silt and brick (dry)[FILL]						0.0	
	5			M-2	MACROCORE	48		0.0	
	6	Black to dark brown f-m medium dense SAND, tr glass, concrete, asphalt, and silt (moist)[FILL]						0.0	
	7							0.0	
	8	Blackish gray m-c loose ashy SAND, some f sand, f-c gravel, tr silt, brick, concrete and slag (moist)[ASH][FILL]						0.0	
	9							0.0	
	10			M-3	MACROCORE	21		0.0	
	11							0.0	
12	Blackish gray m-c loose ashy SAND, some f sand, f-c gravel, tr silt, brick, concrete and slag (moist)[ASH][FILL] Dark brown and black f-m med. dense SAND, some silt, tr wood, c sand, and f gravel (wet)[FILL]						0.0		
13							0.0		
14			M-4	MACROCORE	34		0.0		
15							0.0		
16	Brown m med dense SAND, some f sand, tr silt, c sand (wet)[NATIVE]						0.0		
17							0.0		
18			M-5	MACROCORE	48		0.0		
19							0.0		
20							0.0	Bottom of boring at 20' bgs	

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Log of Boring

LSB-17

Sheet

2

of

2

Project		Project No.							
12096 Flatlands Avenue		100688801							
Location		Elevation and Datum							
Brooklyn, New York		13.86-ft NAVD88							
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)	Penetr. resist. BL/min		PID Reading (ppm)
	-6.1		20					0.0	
			21						
			22						
			23						
			24						
			25						
			26						
			27						
			28						
			29						
			30						
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Project 12096 Flatlands Avenue	Project No. 100688801
Location Brooklyn, New York	Elevation and Datum 15.67-ft NAVD88

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)	Penetr. resist. BL/min		PID Reading (ppm)
	4.3		20					0.0	
			21						
			22						
			23						
			24						
			25						
			26						
			27						
			28						
			29						
			30						
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			41						
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			43						
			44						
			45						

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LANGAN

Project 12096 Flatlands Avenue	Project No. 100688801
Location Brooklyn, New York	Elevation and Datum 16.8-ft NAVD88

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)	Penetr. resist. BL/6in		PID Reading (ppm)
	-3.2		20					0.0	
			21						
			22						
			23						
			24						
			25						
			26						
			27						
			28						
			29						
			30						
			31						
			32						
			33						
			34						
			35						
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			38						
			39						
			40						
			41						
			42						
			43						
			44						
			45						

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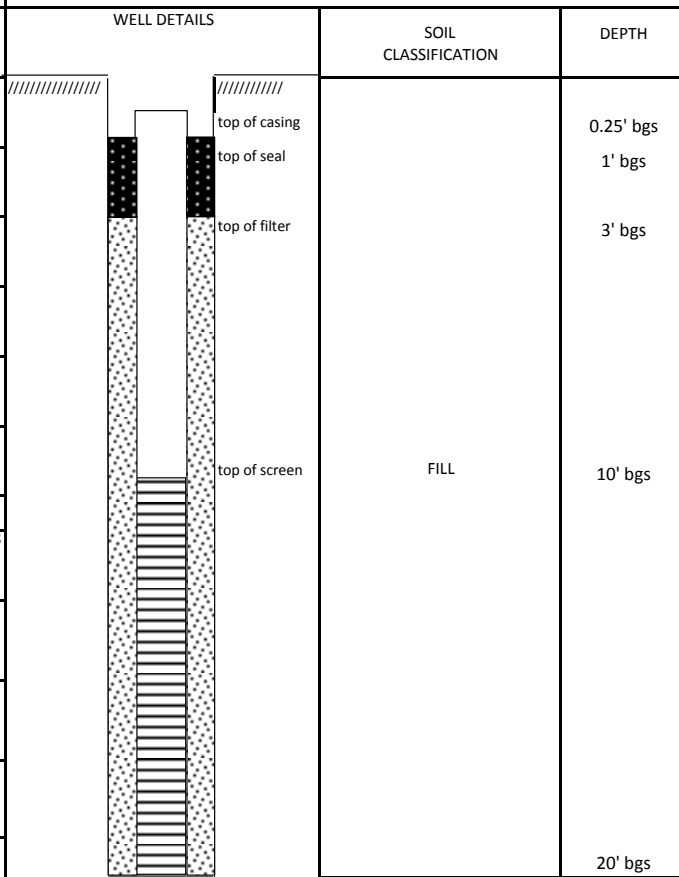
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Project		Project No.							
12096 Flatlands Avenue		100688801							
Location		Elevation and Datum							
Brooklyn, New York		13.89-ft NAVD88							
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)	Penetr. resist. BL/min		PID Reading (ppm)
	-6.1		20					0.0	
			21						
			22						
			23						
			24						
			25						
			26						
			27						
			28						
			29						
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WELL CONSTRUCTION SUMMARY WELL NO. LMW-5

PROJECT 12120 Flatlands Avenue		PROJECT NUMBER 100688801	
LOCATION Brooklyn, NY		ELEVATION AND DATUM Approximate el +10 NAVD88	
DRILLING AGENCY AARCO Environmental Services Corp.		DATE STARTED 5/8/2018	DATE COMPLETED 5/8/2018
DRILLING EQUIPMENT Geoprobe 7822 DT		DRILLER AARCO/Tim Kelly	
SIZE AND TYPE OF BIT 2" Stainless Steel Direct Push		INSPECTOR Allyson Kritzer	
METHOD OF INSTALLATION Direct push to 20' bgs at LSB-18. 10' of 2" diameter schedule-40 solid PVC riser installed. 10' of 2" diameter schedule-40 20-slot PVC screen installed. No. 01 FilPro sand filled until 3' bgs. Hydrated bentonite chips installed to 1' bgs. Riser cut to 0.25' bgs. Manhole installed and secured with concrete.			
METHOD OF WELL DEVELOPMENT Driller used whale pump to pump water until water was sediment free; approximately 5 gallons purged			
TYPE OF CASING Schedule-40 Solid PVC		DIAMETER 2"	
TYPE OF SCREEN Schedule-40 20-slot PVC		DIAMETER 2"	
BOREHOLE DIAMETER 2"		TYPE OF BACKFILL MATERIAL None	
TYPE OF SEAL MATERIAL Hydrated Bentonite Chips		TYPE OF FILTER MATERIAL No. 01 FilPro Sand	
TOP OF CASING ELEVATION 9.75		Depth 0.25' bgs	
TOP OF SEAL ELEVATION 9		Depth 1' bgs	
TOP OF FILTER ELEVATION 7		Depth 3' bgs	
TOP OF SCREEN ELEVATION 0		Depth 10' bgs	
BOTTOM OF BORING ELEVATION -10		Depth 20' bgs	
SCREEN LENGTH 10'		SLOT SIZE 20 slot	
GROUNDWATER ELEVATIONS			
ELEVATION	-3.7	DATE	5/8/2018
ELEVATION		DATE	
ELEVATION		DATE	
ELEVATION		DATE	
ELEVATION		DATE	



989 Lenox Drive Lawrenceville, NJ 08648 T: 609.282.8000
Mailing Address: 989 Lenox Drive Lawrenceville, NJ 08648

To: Amanda Forsburg, Langan Senior Project Scientist

From: Joe Conboy, Langan Staff Chemist

Date: May 20, 2021

Re: Data Usability Summary Report
For 12096 Flatlands Avenue
May 2018 Soil Samples
Langan Project No.: 100688801

This memorandum presents the findings of an analytical data validation from the analysis of soil samples collected in May 2018 by Langan Engineering and Environmental Services at 12096 Flatlands Avenue. The samples were analyzed by York Analytical Laboratories, Inc. (NYSDOH NELAP registration # 10854 and 12058) for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides, metals, hexavalent chromium (CrVI), and trivalent chromium (CrIII) by the methods specified below.

- VOCs by SW-846 Method 8260C
- SVOCs by SW-846 Method 8270D
- PCBs by SW-846 Method 8082A
- Pesticides by SW-846 Method 8081B
- Metals by SW-846 Methods 6020B/7473
- Hexavalent Chromium by SW-846 Method 7196A
- Trivalent Chromium (calculated)

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, and analytical parameters subject to review.

Findings for samples 017/LSB-14A and 018/LSB-14B do not apply to the overall findings of this report. These data are associated with samples from adjacent and nearby properties outside of the Site C224290 boundary collected as part of the investigation and were reviewed for completeness as part of the standard Langan validation reporting process.

Technical Memorandum

Validation Overview

This data validation was performed in accordance with the following guidelines, where applicable:

- USEPA Region II Standard Operating Procedure (SOP) #HW-34A, "Trace Volatile Data Validation" (September 2016, Revision 1),
- USEPA Region II SOP #HW-33A, "Low/Medium Volatile Data Validation" (September 2016, Revision 1),
- USEPA Region II SOP #HW-35A, "Semivolatile Data Validation" (September 2016, Revision 1),
- USEPA Region II SOP #HW-17, "Validating Chlorinated Herbicides" (December 2010, Revision 3.1),
- USEPA Region II SOP #HW-37A, "Polychlorinated Biphenyl (PCB) Aroclor Data Validation" (June 2015, Revision 0),
- USEPA Region II SOP #HW-36A, "Pesticide Data Validation" (October 2016, Revision 1),
- USEPA Region II SOP #HW-3a, "ICP-AES Data Validation" (September 2016, Revision 1),
- USEPA Region II SOP #HW-3b, "ICP-MS Data Validation" (September 2016, Revision 1),
- USEPA Region II SOP #HW-3c, "Mercury and Cyanide Data Validation" (September 2016, Revision 1),
- USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020)
- USEPA Contract Laboratory Program "National Functional Guidelines for Inorganic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020), and published analytical methodologies.

Validation includes review of the analytical data to verify that they are easily traceable and sufficiently complete to permit logical reconstruction by a qualified individual other than the originator. Items subject to review in this memorandum may include:

- | | | |
|-----------------------------------|---|------------------------------|
| • holding times | • surrogates | • overall system performance |
| • sample preservation | • internal standards | • serial dilutions |
| • sample extraction and digestion | • isotope dilutions | • dual column performance |
| • instrument tuning | • matrix spike/spike duplicate recoveries | • field duplicates |
| • instrument calibration | • target compound identification and quantification | • trip blanks |
| • laboratory blanks | • chromatograms | • field blanks |
| • laboratory control samples | | |

Technical Memorandum

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA guidelines and our best professional judgment:

- R** – The sample results are unusable because certain criteria were not met when generating the data. The analyte may or may not be present in the sample.
- J** – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** – The analyte was not detected at a level greater than or equal to the reporting limit; however, the reported reporting limit is approximate and may be inaccurate or imprecise.
- U** – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
- NJ** – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned, these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are considered invalid and are not technically usable for data interpretation. Data that is otherwise qualified because of minor data-quality anomalies are usable, as qualified in Table 2 (attached).

The following acronyms may be used in the discussion of data-quality issues:

%D	Percent Difference	MB	Method Blank
CCV	Continuing Calibration Verification	MDL	Method Detection Limit
FB	Field Blank	MS	Matrix Spike
FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit
ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

Technical Memorandum

VOCs by SW-846 Method 8260C

18E0411

The ICAL for instrument VOA4 exhibited an RSD above the control limit for 1,4-dioxane (23.63%) and RFs below the control limit for acetone (0.009) and methylene chloride (0.1137). The associated results in samples 005/LSB-15A, 006/LSB-15B, 007/LSB-17A, 008/LSB-17B, 009/LSB-20A, 010/LSB-20B, 011/LSB-18A, 012/LSB-18B, 014/LSB-16A, 015/DUP-1, 016/LSB-16B, 017/LSB-14A, 018/LSB-14B, 019/LSB-19A, and 020_LSB-19B are qualified as J or UJ because of potential indeterminate bias.

The CCV analyzed on 5/11/2018 at 08:58 exhibited a %D above the control limit for methylene chloride (-26.1%) and an RF below the control limit for trichloroethene (0.1793). The associated results in sample 005/LSB-15A, 006/LSB-15B, 007/LSB-17A, 008/LSB-17B, 009/LSB-20A, 010/LSB-20B, 011/LSB-18A, 012/LSB-18B, 014/LSB-16A, 015/DUP-1, 016/LSB-16B, 017/LSB-14A, 018/LSB-14B, 019/LSB-19A, and 020/LSB-19B are qualified as J or UJ because of potential indeterminate bias.

The LCS for batch BE80598 exhibited percent recoveries below the LCL for 1,3,5-trimethylbenzene (79.3%), 1,3-dichloropropane (80.5%), dibromomethane (78.8%), 1,2,4-trimethylbenzene (80.7%), and p-isopropyltoluene (80.6%). The associated results in samples 005/LSB-15A, 006/LSB-15B, 007/LSB-17A, 008/LSB-17B, 009/LSB-20A, 010/LSB-20B, 011/LSB-18A, 012/LSB-18B, 014/LSB-16A, 015/DUP-1, 016/LSB-16B, 017/LSB-14A, 018/LSB-14B, 019/LSB-19A, and 020/LSB-19B are qualified as J or UJ because of potential low bias.

SVOCs by SW-846 Method 8270D

18E0411

The ICAL for instrument BNA#6 exhibited a RSD above the control limit for benzoic acid (26.5%). The associated results in sample 007/LSB-17A, 017/LSB-14A, and 018/LSB-14B are qualified as UJ because of potential indeterminate bias.

The ICV analyzed on 5/2/2021 at 14:55 exhibited %Ds above the control limit for 1,2-diphenylhydrazine (-68.8%), 2,4-dinitrophenol (47.3%), 2,4-dinitrotoluene (42.4%), 2,6-dinitrotoluene (49.9%), 3-nitroaniline (31.6%), and 4,6-dinitro-2-methylphenol (42.8%). The associated results in sample 005/LSB-15A, 006/LSB-15B, 007/LSB-17A, 008/LSB-17B, 009/LSB-20A, 010/LSB-20B, 011/LSB-18A, 012/LSB-18B, 014/LSB-16A, 015/DUP-1, 016/LSB-16B, 019/LSB-19A, and 020/LSB-19B are qualified as UJ because of potential indeterminate bias.

Technical Memorandum

The CCV analyzed on 5/11/2018 at 08:54 exhibited %Ds above the control limit for 2,4-dinitrophenol (127%), 2,4-dinitrotoluene (71.6%), 2,6-dinitrotoluene (57.8%), 2-nitroaniline (37.9%), 2-nitrophenol (30.4%), 3-nitroaniline (33%), 4,6-dinitro-2-methylphenol (106%), 4-nitroaniline (31.8%), and bis(2-chloroisopropyl)ether (-23.6%). The associated results in sample 011/LSB-18A are qualified as UJ because of potential indeterminate bias.

The CCV analyzed on 5/11/2018 at 15:34 exhibited %Ds above the control limit for 2,4-dinitrophenol (139%), 2,4-dinitrotoluene (68.1%), 2,6-dinitrotoluene (56.3%), 2-nitroaniline (35.8%), 2-nitrophenol (33.7%), 3-nitroaniline (30.7%), 4,6-dinitro-2-methylphenol (123%), 4-nitroaniline (28.1%), benzaldehyde (-23%), bis(2-chloroisopropyl)ether (-24.3%), dibenzo(a,h)anthracene (22.6%), and indeno(1,2,3-cd)pyrene (21.9%). The associated results in samples 005/LSB-15A, 006/LSB-15B, 007/LSB-17A, 008/LSB-17B, 009/LSB-20A, 010/LSB-20B, 012/LSB-18B, 014/LSB-16A, 015/DUP-1, 016/LSB-16B, 019/LSB-19A, and 020/LSB-19B are qualified as J or UJ because of potential indeterminate bias.

The CCV analyzed on 5/13/2018 at 21:57 exhibited a %D above the control limit for pyrene (23.7%). The associated results in re-analysis for samples 005/LSB-15A, 006/LSB-15B, 007/LSB-17A, and 017/LSB-14A are qualified as J because of potential indeterminate bias.

The CCV analyzed on 5/14/2018 at 15:15 exhibited %Ds above the control limit for 2,4-dimethylphenol (21.9%), 2,4-dinitrophenol (146%), 2,4-dinitrotoluene (28.4%), 2,6-dinitrotoluene (23.6%), 2-nitroaniline (34.9%), 2-nitrophenol (45%), 3-nitroaniline (32.6%), 4,6-dinitro-2-methylphenol (120%), 4-nitroaniline (30.9%), benzaldehyde (-21.1%), benzoic acid (50.2%), hexachlorobenzene (-27.8%), hexachlorocyclopentadiene (-21.9%), n-nitroso-di-n-propylamine (-28.9%), and pentachlorophenol (46%). The associated results in sample 017/LSB-14A and 018/LSB-14B are qualified as UJ because of potential indeterminate bias.

Pesticides by SW-846 Method 8081B

18E0411

Sample 005/LSB-15A exhibited RPDs above the control limit between the primary and secondary columns for alpha-chlordane (56%) and gamma-chlordane (60.4%). The associated results are qualified as J because of potential indeterminate bias.

Sample 007/LSB-17A exhibited RPDs above the control limit between the primary and secondary columns for alpha-chlordane (41.1%) and gamma-chlordane (74.14%). The associated results are qualified as J because of potential indeterminate bias.

Technical Memorandum

Sample 009/LSB-20A exhibited RPDs above the control limit between the primary and secondary columns for chlordane (60.27%) and gamma-chlordane (114.38%). The associated results are qualified as J because of potential indeterminate bias.

Sample 011/LSB-18A exhibited RPDs above the control limit between the primary and secondary columns for alpha-chlordane (40.33%), dieldrin (50.23%), and heptachlor (49.55%). The associated results are qualified as J because of potential indeterminate bias.

Sample 012/LSB-18B exhibited a RPD above the control limit between the primary and secondary columns for 4,4'-DDE (115.48%). The associated results are qualified as J because of potential indeterminate bias.

Sample 014/LSB-16A exhibited RPDs above the control limit between the primary and secondary columns for alpha-chlordane (47.71%) and gamma-chlordane (160.67%). The associated results are qualified as J because of potential indeterminate bias.

Sample 015/DUP-1 exhibited RPDs above the control limit between the primary and secondary columns for dieldrin (66.28%) and gamma-chlordane (156.4%). The associated results are qualified as J because of potential indeterminate bias.

Sample 019/LSB-19A exhibited RPDs above the control limit between the primary and secondary columns for alpha-chlordane (47.95%), dieldrin (48.72%), and gamma-chlordane (81.57%). The associated results are qualified as J because of potential indeterminate bias.

Multiple samples exhibited percent recoveries below the LCL for the surrogate tetrachloro-m-xylene: 005/LSB-15A (14.5%), 006/LSB-15B (16.4%), 007/LSB-17A (26.6%), 009/LSB-20A (29.2%), 011/LSB-18A (23.5%), 012/LSB-18B (20.1%), 014/LSB-16A (26.7%), 015/DUP-1 (19.9%), 016/LSB-16B (23.7%), 017/LSB-14A (24.7%), 019/LSB-19A (25.4%), and 020/LSB-19B (19.9%). The associated results are qualified as J or UJ because of potential low bias.

Hexavalent Chromium by SW-846 Method 7196A

18E0411

The MS performed on sample 020/LSB-19B exhibited a percent recovery below the LCL for hexavalent chromium (0%). The associated results in sample 020/LSB-19B are qualified as UJ because of potential low bias.

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. The section below describes the other deficiencies that were identified.

Technical Memorandum

Data Usability Summary Report
For 12096 Flatlands Avenue
May 2018 Soil Samples
Langan Project No.: 100688801
May 20, 2021 Page 7 of 8

SVOCs by SW-846 Method 8270D

18E0411

The LCS for batch BE80566 exhibited percent recoveries above the UCL for 2,4-dinitrotoluene (132%) and 2,3,4,6-tetrachlorophenol (199%). The associated results are non-detect. No qualification is necessary.

The MS/MSD performed on sample 011/LSB-18A exhibited RPDs above the control limit for 1,2-diphenylhydrazine (53.3%), benzoic acid (79.7%), hexachlorocyclopentadiene (76.8%), and 3,3'-dichlorobenzidine (33.3%). This MS/MSD also exhibited a percent recoveries outside of control limits for 2,3,4,6-tetrachlorophenol (139%, 135%), benzoic acid (11.7%, 5.2%), 2,4-dinitrophenol (0%) and 4,6-dinitro-2-methylphenol (0%). Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

Metals by SW-846 Methods 6020B

18E0411

The FB (013/FB-1) exhibited detections of iron (0.0451 mg/l), potassium (0.0748 mg/l), and sodium (0.251 mg/l). The associated results are >10X the contamination. No qualification is necessary.

FIELD DUPLICATE:

One field duplicate and parent sample pair was collected and analyzed for all parameters. For results less than 5X the RL, analytes meet the precision criteria if the absolute difference is less than $\pm 2X$ the RL. For results greater than 5X the RL, analytes meet the precision criteria if the RPD is less than or equal to 50% for soil. The following field duplicate and parent sample pairs were compared to the precision criteria:

- 014/LSB-16A and 015/DUP-1

The field duplicate and parent sample (014/LSB-16A and 015/DUP-1) exhibited RPDs above the control limit for alpha chlordane (55.1%), barium (67.3%), bis(2-ethylhexyl) phthalate (195.7%), dieldrin (85.5%), di-n-octyl phthalate (183.9%), and gamma-chlordane (51.4%). The associated results are qualified as J or UJ because of potential indeterminate bias.

Technical Memorandum

Data Usability Summary Report
For 12096 Flatlands Avenue
May 2018 Soil Samples
Langan Project No.: 100688801
May 20, 2021 Page 8 of 8

CONCLUSION:

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



Joe Conboy
Staff Chemist

989 Lenox Drive Lawrenceville, NJ 08648 T: 609.282.8000
Mailing Address: 989 Lenox Drive Lawrenceville, NJ 08648

To: Amanda Forsburg, Langan Senior Project Scientist

From: Joe Conboy, Langan Staff Chemist

Date: May 20, 2021

Re: Data Usability Summary Report
For 12096 Flatlands Avenue
May 2018 Groundwater Samples
Langan Project No.: 100688801

This memorandum presents the findings of an analytical data validation from the analysis of groundwater samples collected in May 2018 by Langan Engineering and Environmental Services at 12096 Flatlands Avenue. The samples were analyzed by York Analytical Laboratories, Inc. (NYSDOH NELAP registration # 10854 and 12058) for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides, metals, hexavalent chromium (CrVI), and trivalent chromium (CrIII) by the methods specified below.

- VOCs by SW-846 Method 8260C
- SVOCs by SW-846 Method 8270D and 8270D selective ion monitoring (SIM)
- PCBs by SW-846 Method 8082A
- Pesticides by SW-846 Method 8081B
- Metals by SW-846 Methods 6010D/6020B/7473
- Hexavalent Chromium by SW-846 Method 7196A
- Trivalent Chromium (calculated)

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, and analytical parameters subject to review.

Findings for samples 060/LMW-2, 058/LMW-3, and 059/LMW-059 do not apply to the overall findings of this report. These data are associated with samples from adjacent and nearby properties outside of the Site C224290 boundary collected as part of the investigation and were reviewed for completeness as part of the standard Langan validation reporting process.

Technical Memorandum

Validation Overview

This data validation was performed in accordance with the following guidelines, where applicable:

- USEPA Region II Standard Operating Procedure (SOP) #HW-34A, "Trace Volatile Data Validation" (September 2016, Revision 1),
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- USEPA Region II SOP #HW-37A, "Polychlorinated Biphenyl (PCB) Aroclor Data Validation" (June 2015, Revision 0),
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Validation includes review of the analytical data to verify that they are easily traceable and sufficiently complete to permit logical reconstruction by a qualified individual other than the originator. Items subject to review in this memorandum may include:

- | | | |
|-----------------------------------|---|------------------------------|
| • holding times | • surrogates | • overall system performance |
| • sample preservation | • internal standards | • serial dilutions |
| • sample extraction and digestion | • isotope dilutions | • dual column performance |
| • instrument tuning | • matrix spike/spike duplicate recoveries | • field duplicates |
| • instrument calibration | • target compound identification and quantification | • trip blanks |
| • laboratory blanks | • chromatograms | • field blanks |
| • laboratory control samples | | |

Technical Memorandum

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA guidelines and our best professional judgment:

- R** – The sample results are unusable because certain criteria were not met when generating the data. The analyte may or may not be present in the sample.
- J** – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** – The analyte was not detected at a level greater than or equal to the reporting limit; however, the reported reporting limit is approximate and may be inaccurate or imprecise.
- U** – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
- NJ** – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned, these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are considered invalid and are not technically usable for data interpretation. Data that is otherwise qualified because of minor data-quality anomalies are usable, as qualified in Table 2 (attached).

The following acronyms may be used in the discussion of data-quality issues:

%D	Percent Difference	MB	Method Blank
CCV	Continuing Calibration Verification	MDL	Method Detection Limit
FB	Field Blank	MS	Matrix Spike
FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
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MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

Technical Memorandum

Data Usability Summary Report
For 12096 Flatlands Avenue
May 2018 Groundwater Samples
Langan Project No.: 100688801
May 20, 2021 Page 4 of 9

VOCs by SW-846 Method 8260C

18E0702

The ICAL for instrument VOA No. 8 exhibited a RF below the control limit for 1,4-dichlorobenzene (0.038) and an RSD above the control limit for n-propylbenzene (20.39%). The associated results in samples 053/LMW-5, 054/DUP-3, 055/LMW-6, 058/LMW-3, 059/LMW-4, and 060/LMW-2 are qualified as J or UJ because of potential indeterminate bias.

The CCV analyzed on 5/18/2018 at 10:42 exhibited %Ds above the control limit for 1,1,2-trichloro-1,2,2-trifluoroethane (-30%), 1,4-dioxane (-56.7%), bromomethane (-31.8%), dichlorodifluoromethane (-26.5%), and hexachlorobutadiene (-20.6%). This CCV also exhibited a RF below the control limit for 1,4-dichlorobenzene (0.1439). The associated results in samples 053/LMW-5, 054/DUP-3, 058/LMW-3, 059/LMW-4, and 060/LMW-2 are qualified as UJ because of potential indeterminate bias.

The CCV analyzed on 5/21/2018 at 10:36 exhibited %Ds above the control limit for 1,1,1,2-tetrachloroethane (30.5%), 1,1,1-trichloroethane (24.6%), 1,4-dioxane (-56.8%), 2,2-dichloropropane (26.2%), acetone (-25.1%), bromoform (28.4%), bromomethane (-40.3%), carbon tetrachloride (39%), and dibromochloromethane (20.1%). This CCV also exhibited a RF below the control limit for 1,4-dichlorobenzene (0.1608). The associated results in sample 055/LMW-6 are qualified as J or UJ because of potential indeterminate bias.

The LCS/LCSD for batch BE80978 exhibited RPDs above the control limit for 1,1,2-trichloro-1,2,2-trifluoroethane (22.8%), 1,4-dioxane (24.1%), and methylcyclohexane (20.6%). The associated results in samples 053/LMW-5, 054/DUP-3, 058/LMW-3, 059/LMW-4, and 060/LMW-2 are qualified as UJ because of potential indeterminate bias.

The LCS/LCSD for batch BE81050 exhibited a RPD above the control limit for 1,1-dichloroethane (21.1%). The associated results in sample 055/LMW-6 are qualified as UJ because of potential indeterminate bias.

The FB (057/FB-2) exhibited a detection of acetone (1.08 ug/l). The associated results in samples 053/LMW-5, 054/DUP-3, 055/LMW-6, 058/LMW-3, 059/LMW-4, and 060/LMW-2 are qualified as J or U at the higher of the sample concentration and the reporting limit because of potential blank contamination.

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SVOCs by SW-846 Method 8270D

18E0702

The ICAL for instrument BNA#5 exhibited RSDs above the control limit for benzo(a)pyrene (20.21%) and pentachlorophenol (23.05%). The associated results in samples 053/LMW-5, 054/DUP-3, 055/LMW-6, 058/LMW-3, 059/LMW-4, and 060/LMW-2 are qualified as J or UJ because of potential indeterminate bias.

The ICV analyzed on 5/2/2021 at 14:55 exhibited %Ds above the control limit for 1,2-diphenylhydrazine (-68.8%), 2,4-dinitrophenol (47.3%), 2,4-dinitrotoluene (42.4%), 2,6-dinitrotoluene (49.9%), 3-nitroaniline (31.6%), and 4,6-dinitro-2-methylphenol (42.8%). The associated results in samples 053/LMW-5, 054/DUP-3, 055/LMW-6, 058/LMW-3, 059/LMW-4, and 060/LMW-2 are qualified as UJ because of potential indeterminate bias.

The ICV analyzed on 4/9/2021 at 15:57 exhibited %Ds above the control limit for hexachlorobenzene (37%), hexachlorethane (-32%), and n-nitrosodimethylamine (-41%). The associated results in samples 053/LMW-5, 054/DUP-3, 055/LMW-6, 058/LMW-3, 059/LMW-4, and 060/LMW-2 are qualified as UJ because of potential indeterminate bias.

The CCV analyzed on 5/18/2018 at 15:02 exhibited %Ds above the control limit for 2,4-dinitrophenol (100%), 2,4-dinitrotoluene (81.2%), 2,6-dinitrotoluene (67.9%), 2-nitroaniline (38.7%), 2-nitrophenol (39%), 3-nitroaniline (31.9%), 4,6-dinitro-2-methylphenol (121%), 4-nitroaniline (32.8%), benzidine (-24.3%), bis(2-chloroisopropyl)ether (-40.7%), hexachlorocyclopentadiene (-42.5%), and pyridine (-25.3%). The associated results in samples 053/LMW-5, 054/DUP-3, 055/LMW-6, 058/LMW-3, 059/LMW-4, and 060/LMW-2 are qualified as UJ because of potential indeterminate bias.

The CCV analyzed on 5/17/2018 at 08:21 exhibited a %D above the control limit for atrazine (-40%). The associated results in samples 053/LMW-5, 054/DUP-3, 055/LMW-6, 058/LMW-3, 059/LMW-4, and 060/LMW-2 are qualified as UJ because of potential indeterminate bias.

The LCS/LCSD for batch BE80831 exhibited percent recoveries outside of control limits for 2,3,4,6-tetrachlorophenol (178%, 173%), 2,4-dinitrotoluene (153%, 144%), 2,6-dinitrotoluene (148%, 139%), 2-nitrophenol (123%), and benzoic acid (29.6%). The associated benzoic acid results are qualified UJ based on potential low bias. The other associated results are non-detect, so no qualification is necessary.

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Pesticides by SW-846 Methods 8081B

18E0702

Sample 054/DUP-3 exhibited a percent recovery below the LCL for the surrogate tetrachloro-m-xylene (23.8%). The associated results are qualified as UJ because of potential low bias.

PCBs by SW-846 Methods 8082A

18E0702

Sample 059/LMW-4 exhibited a percent recovery below the LCL for the surrogate tetrachloro-m-xylene (25.2%). The associated results are qualified as UJ because of potential low bias.

Sample 053/LMW-5 exhibited a percent recovery below the LCL for the surrogate tetrachloro-m-xylene (24.8%). The associated results are qualified as UJ because of potential low bias.

Sample 054/DUP-3 exhibited a percent recovery below the LCL for the surrogate tetrachloro-m-xylene (24.3%). The associated results are qualified as UJ because of potential low bias.

Sample 055/LMW-6 exhibited a percent recovery below the LCL for the surrogate tetrachloro-m-xylene (23.3%). The associated results are qualified as J or UJ because of potential low bias.

Sample 058/LMW-3 exhibited a percent recovery below the LCL for the surrogate tetrachloro-m-xylene (24.8%). The associated results are qualified as J or UJ because of potential low bias.

Metals by SW-846 Methods 6001D/6020B

18E0702

The ICV analyzed on 5/21/2021 at 10:55 exhibited a percent recovery below the control limit for dissolved antimony (83.6%). The associated results in samples 053/LMW-5, 054/DUP-3, 055/LMW-6, 058/LMW-3, 059/LMW-4, and 060/LMW-2 are qualified as UJ because of potential indeterminate bias.

The ICV analyzed on 5/21/2021 at 10:55 exhibited a percent recovery below the control limit for total antimony (83.6%). The associated results in samples 053/LMW-5, 054/DUP-3, 055/LMW-6, 058/LMW-3, 059/LMW-4, and 060/LMW-2 are qualified as UJ because of potential indeterminate bias.

The CCV analyzed on 5/21/2021 at 12:57 exhibited percent recovery below the control limit for dissolved antimony (80.4%) and dissolved beryllium (87.7%). The associated results in samples 053/LMW-5, 054/DUP-3, 055/LMW-6, 058/LMW-3, 059/LMW-4, and 060/LMW-2 are qualified as UJ because of potential indeterminate bias.

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The CCV analyzed on 5/21/2021 at 11:36 exhibited a percent recovery below the control limit for total antimony (80%). The associated results in samples 053/LMW-5, 054/DUP-3, 055/LMW-6, 058/LMW-3, 059/LMW-4, and 060/LMW-2 are qualified as UJ because of potential indeterminate bias.

The FB (057/FB-2) exhibited a detection of total selenium (0.00116 mg/l) and dissolved calcium (0.0666 mg/l). The associated total selenium results in samples 053/LMW-5, 054/DUP-3, 055/LMW-6, and 058/LMW-3 are qualified as J because of potential blank contamination. The associated dissolved calcium results are >10X the contamination, so no qualification is necessary.

The laboratory duplicate and parent sample (053/LMW-5) exhibited RPDs above the control limit for total aluminum (59.3%), total lead (24.6%), total copper (24.8%), dissolved copper (64%), and dissolved zinc (20.4%). The associated results are qualified as J because of potential indeterminate bias.

The serial dilution performed on sample 053/LMW-5 exhibited RPDs above the control limit for total aluminum (3240%). The associated result is qualified as J because of potential indeterminate bias.

The LCS for batch BE80922 exhibited percent recoveries outside of control limits for total calcium (69.4%), total silver (68%), and total sodium (128%). The associated results in samples 053/LMW-5, 054/DUP-3, 055/LMW-6, 058/LMW-3, 059/LMW-4, and 060/LMW-2 are qualified as J or UJ because of potential bias.

The LCS for batch BE80923 exhibited percent recoveries below the LCL for total antimony (76.4%) and total thallium (75.6%). The associated results in samples 053/LMW-5, 054/DUP-3, 055/LMW-6, 058/LMW-3, 059/LMW-4, and 060/LMW-2 are qualified as J or UJ because of potential low bias.

The LCS for batch BE80994 exhibited a percent recovery below the LCL for dissolved antimony (78.7%). The associated results in samples 053/LMW-5, 054/DUP-3, 055/LMW-6, 058/LMW-3, 059/LMW-4, and 060/LMW-2 are qualified as UJ because of potential low bias.

Hexavalent Chromium by SW-846 Method 7196A

18E0702

The LCS for batch BE80768 exhibited a percent recovery below the LCL for hexavalent chromium (4.6%). The associated results in samples 053/LMW-5, 054/DUP-3, 055/LMW-6, 058/LMW-3, 059/LMW-4, and 060/LMW-2 are qualified as UJ because of potential low bias.

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OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. The section below describes the other deficiencies that were identified.

VOCs by SW-846 Method 8260C

18E0702

The MB for batch BE81050 exhibited a detection of methylene chloride (1.1 ug/L). The associated results are non-detect. No qualification is necessary.

Metals by SW-846 Methods 6020B

18E0702

The MB for batch BE80922 exhibited detections of total potassium (0.197 mg/L) and total sodium (0.322 mg/L). The associated results are >10X the contamination. No qualification is necessary.

FIELD DUPLICATE:

One field duplicate and parent sample pair was collected and analyzed for all parameters. For results less than 5X the RL, analytes meet the precision criteria if the absolute difference is less than $\pm 1X$ the RL. For results greater than 5X the RL, analytes meet the precision criteria if the RPD is less than or equal to 30% for groundwater. The following field duplicate and parent sample pairs were compared to the precision criteria:

- 053/LMW-5 and 054/DUP-3

The field duplicate and parent sample (053/LMW-5 and 054/DUP-3) exhibited a RPD above the control limit for total aluminum (59.5%). The associated results are qualified as J because of potential indeterminate bias.

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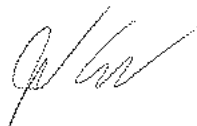
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CONCLUSION:

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



Joe Conboy
Staff Chemist